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ABSTRACT

The number of doctorate recipients in 1974 was 33,000, a 2.2 percent decrease from the number receiving the degree in 1973. A number of variables are used in analyzing the doctorates granted including major field, sex, postgraduation plans, sources of support in graduate school, state of doctoral institution, racial or ethnic group and U.S. citizenship status. (JMF)

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ED116527

Summary Report 1974 DOCTORATE RECIPIENTS FROM UNITED STATES UNIVERSITIES

Prepared in the
Board on Human-Resource
Data and Analyses
Commission on Human Resources
National Research Council

U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
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National Academy of Sciences
Washington, D.C.
June 1975

NSF 0068876

FOREWORD

This report presents a brief summary of data gathered from the Survey of Earned Doctorates during fiscal year 1974. The Survey is conducted annually by the Board on Human-Resource Data and Analyses (BHRDA) of the Commission on Human Resources (CHR) of the National Research Council. Questionnaire forms, distributed with the cooperation of the Graduate Deans, are filled out by the graduates as they complete all requirements for their doctoral degrees. The data in this report refer to doctorates earned during the period July 1, 1973 to June 30, 1974, but they do not include professional degrees such as the MD, DDS, and DVM.

This is the eighth in a series of yearly summaries of data from the Survey of Earned Doctorates, a series that began in 1967. The BHRDA publishes data gathered during a given fiscal year in the following fiscal year. Trend data from an earlier period can be found in the book, *Doctorate Recipients from United States Universities 1958-1966* (NAS publication 1489). A comparable report is being prepared for the period 1967-1975. This book will also include selected trend data on doctorates for the past century.

The distribution of the Survey of Earned Doctorates questionnaire, the maintenance of the resulting data file, and the publication of this report are supported jointly by the National Science Foundation, the United States Office of Education, the National Institutes of Health, and the National Endowment for the Humanities. The BHRDA wishes to express its appreciation to these agencies for their assistance.

The CHR is concerned with those activities of the National Research Council that contribute to the more effective development and utilization of the nation's human resources. Its programs seek to strengthen higher education and develop better understanding of the educational process. It is hoped that prompt reporting of the present data to educational, governmental, and professional agencies will facilitate planning in higher education. Suggestions for improvement of the content or format of the report and questions or comments will be welcomed. Such communications may be directed to the Board on Human-Resource Data and Analyses, National Research Council, 2101 Constitution Avenue, Washington, D. C. 20418.

DOCTORATE PRODUCTION DECREASES FOR THE FIRST TIME SINCE 1957

The number of doctorate recipients in 1974 was 33,000, a 2.2% decrease from the number receiving the degree in 1973 and almost exactly the same as the number of doctorate recipients in 1972 which was 33,001. Although the total number of degree recipients in 1972 and in 1974 are essentially equal the proportion of women doctorates increased from 16.0% of the total in 1972 to 19.4% in 1974 with a corresponding decrease in the proportion of men.

The table below and Figure 1 show the differences in trends in major field for men and women for the period 1966-1974. The social sciences field is the only major field for which there was an increase in the number of male doctoral recipients in 1974.* The drop in male doctorates in the physical sciences has been particularly acute with a 16.2% decrease from 5,390 in the peak year, 1971, to 4,517 in 1974.

During the period 1966-1974 the number of women doctorates has tripled. Most of the growth has been in three fields: education, arts and humanities, and social sciences which account for 80% (3,480) of the increase in women doctorates. These fields continued to grow in 1974 but the other four fields: life sciences, physical sciences, professional fields, and engineering which have had much smaller growth in numbers of women doctorates decreased in 1974.

U. S. DOCTORATES GRANTED BY MAJOR FIELD AND SEX, 1966-1974

MALES

Year	Total	Physical Sciences	Engineering	Life Sciences	Social Sciences	Arts & Human.	Prof. Fields	Education
1966	15,863	3,647	2,291	2,542	2,241	2,020	636	2,462
1967	17,944	4,123	2,594	2,726	2,654	2,310	724	2,790
1968	19,985	4,405	2,835	3,186	2,939	2,491	829	3,223
1969	22,338	4,713	3,239	3,552	3,302	2,727	880	3,739
1970	25,508	5,302	3,417	3,986	3,830	3,088	1,059	4,667
1971	27,187	5,390	3,479	4,337	4,239	3,306	1,227	5,061
1972	27,719	5,142	3,454	4,253	4,541	3,430	1,322	5,435
1973	27,645	4,862	3,293	4,197	4,668	3,817	1,263	5,464
1974	26,585	4,517	3,110	4,021	4,724	3,606	1,226	5,322

FEMALES

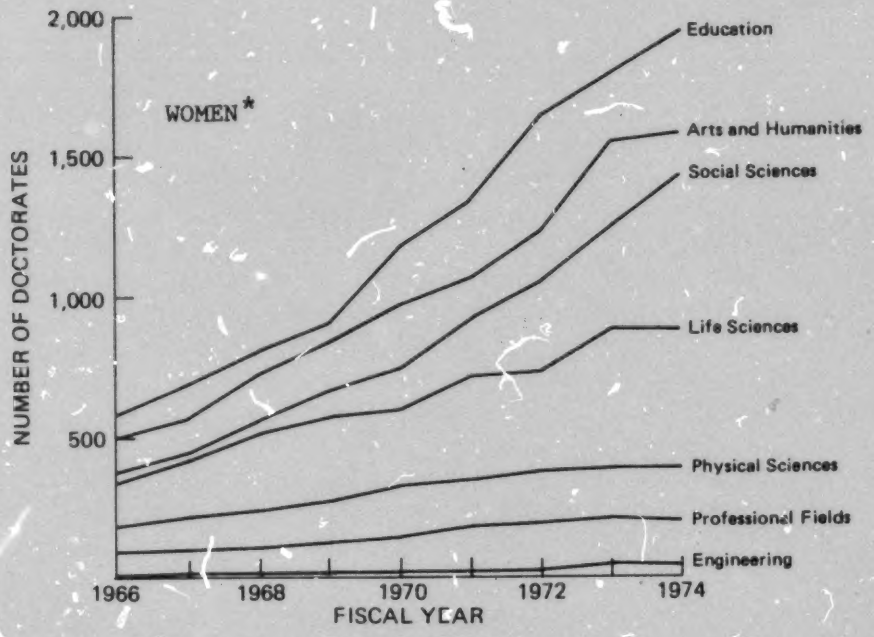
1966	2,090	180	8	345	378	500	98	581
1967	2,440	209	9	418	448	561	101	688
1968	2,931	232	12	510	551	719	101	801
1969	3,386	261	10	567	659	837	126	901
1970	3,967	320	15	588	738	970	142	1,184
1971	4,585	340	16	714	916	1,060	175	1,342
1972	5,282	365	21	731	1,049	1,271	184	1,644
1973	6,082	376	45	871	1,243	1,547	203	1,784
1974	6,415	375	34	863	1,432	1,568	195	1,939

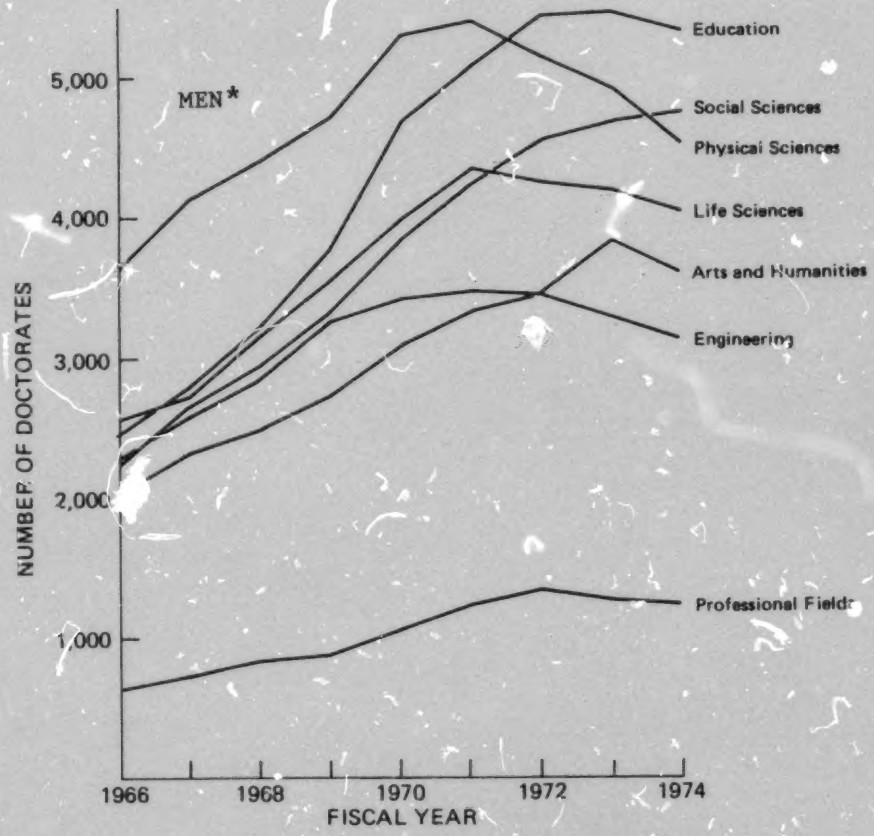
POSTGRADUATION PLANS: DOCTORATES SEEKING EMPLOYMENT OR POST-DOCTORAL STUDY

Figures 2-7 present data from Tables 2, 2a and 3 which have not previously been included in the summary report. Figure 2 shows, by summary field, the difference between the proportion of doctorates in 1973 and 1974 who indicated on question "S" on the survey form

*See note on page 11 re estimation procedures used for this report.

FIGURE 1 Number of United States Doctorates by Major Field, 1966-1974





*Note that the vertical scale used for the chart for women is larger than that in the chart for men.

(see p. 25) that their postgraduation plans were employment, military service, or other (specify) and that they were still seeking employment as indicated by question "R" where they checked an item other than "have signed contract or made definite commitment." For the total doctorates there was an increase of 1.0%, from 18.9% in 1973 to 19.9% in 1974, in the proportion who did not have a definite employment commitment at the time the survey form was completed. This is a small change as a proportion of the total doctorates but it is approximately a five percent increase from 1973 to 1974 in the number of doctorates who were still seeking employment when surveyed. Although there was a small decrease of slightly less than one percent in the proportion of doctorates still seeking employment in the physical sciences, engineering and life sciences this was more than compensated for by the increase of one to two percent in the other fields.

The differences among racial and ethnic groups in the proportions still seeking employment when surveyed are shown in Figure 3. These differences are important but it is desirable to consider them in conjunction with the percentage that originally planned on employment. Although American Indians and Blacks have the highest proportions still seeking employment they also have high proportions who have found employment. The Orientals on the other hand had only 63.3% planning on employment so the 21.9% still seeking employment represents a third of those planning on employment. The citizenship status of individuals also affects employment plans and Table 2 shows considerable variability in citizenship status among the racial and ethnic groups.

Figure 4 shows that the proportion of women still seeking employment is higher than the corresponding proportion of male doctorates for all summary fields. For the total for all fields for women the proportion seeking employment is 26.0% compared with 18.4% for men.

FIGURE 2 Postgraduation Plans
Total Doctorates who were seeking Employment but did not have a Signed Contract or had not made a Definite Commitment when Surveyed, 1973 and 1974

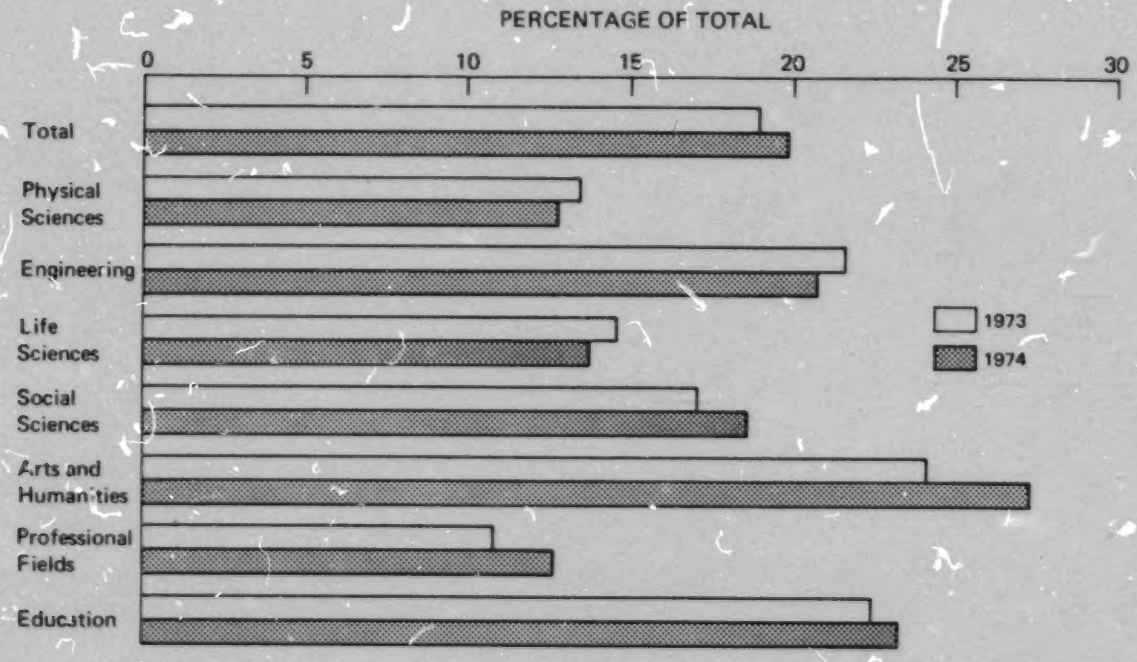


FIGURE 3 Postgraduation Plans
Doctorates who were seeking Employment but did not have a Signed Contract or had not made a Definite Commitment when Surveyed, by Racial or Ethnic Group, 1974

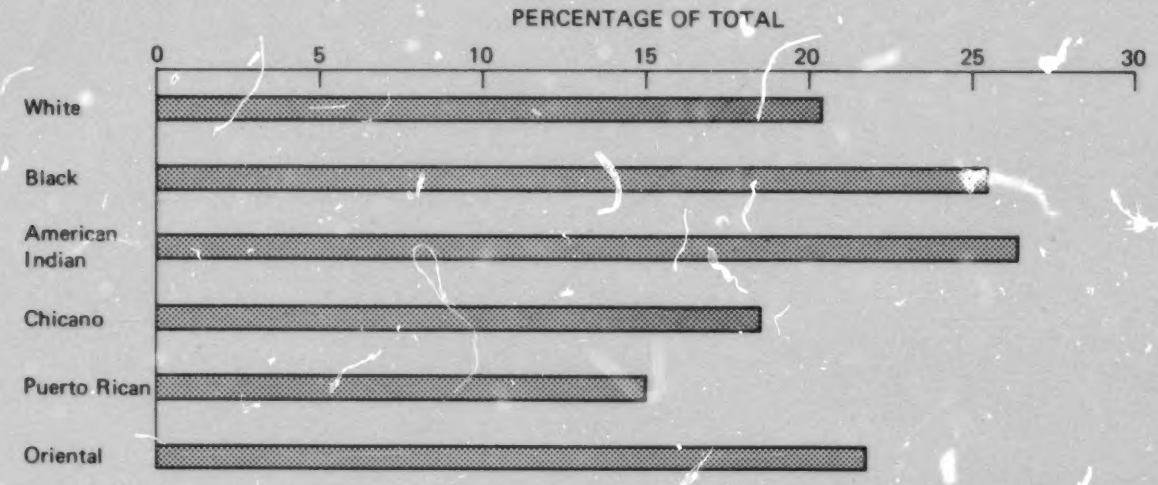


FIGURE 4 Postgraduation Plans
Doctorates who were seeking Employment but did not have a Signed Contract or had not made a Definite Commitment when Surveyed, by Sex, 1974

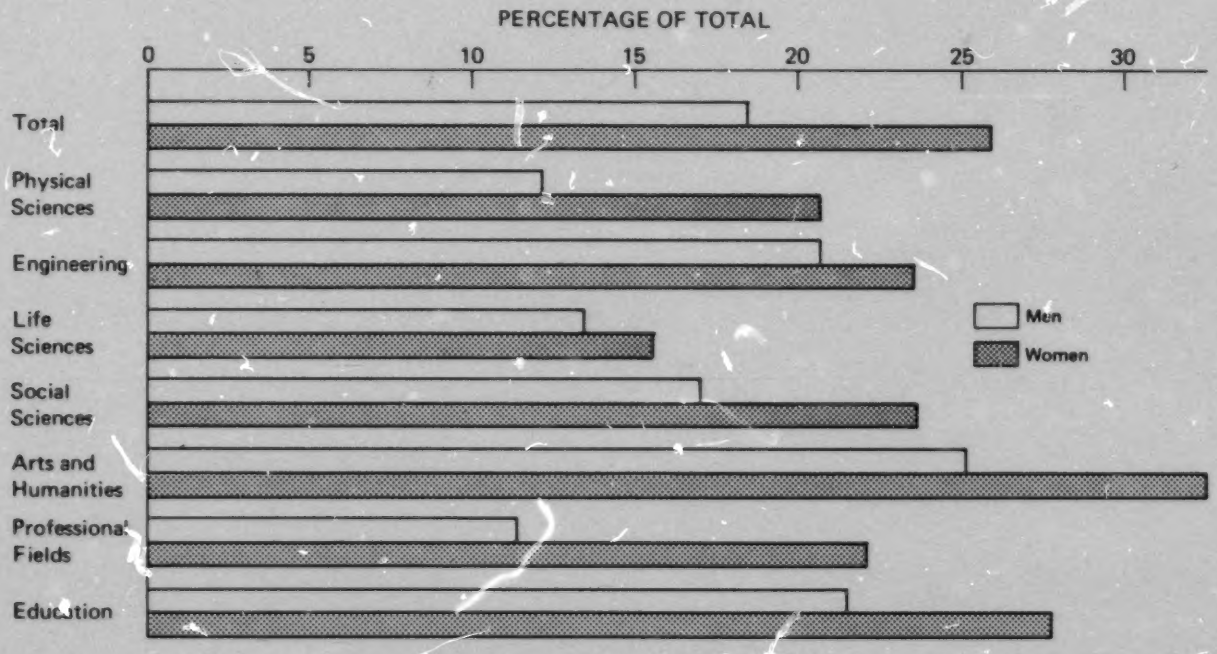


Figure 5 shows that 4.4% of the doctorates, or 1,464 individuals, were still seeking postdoctoral study at the time the survey form was completed while from Table 2 it can be seen that 10.5% or 3,462 had found definite postdoctoral employment. There was little change from 1973 to 1974 in the proportion of doctorates still seeking postdoctoral study when the forms were completed. On the other hand, there was a large variability among fields in 1974. In the physical sciences and life sciences, 11.3% and 9.1% respectively, of the doctorates in the field were still seeking postdoctorals whereas in other fields the percentages range from 0.8% to 5.3%. From Table 2 it can be seen that the physical science and life science fields account for 70% of the doctorates planning on postdoctoral study.

In drawing inferences from Figure 6, as with Figure 3, it is important to consider the citizenship status of the racial or ethnic group and the proportion of the group that was originally planning on postdoctoral study. For example, if the widely different proportions of Blacks (3.2%), American Indians (3.9%), and Orientals (13.9%) still seeking postdoctorals are expressed as percentages of the group proportions planning on postdoctorals it can be seen that 40.5%, 41.9%, and 42.4%, respectively, of those originally planning on further study are still seeking it.

As shown in Figure 7 there is little difference between the proportions of men and women doctorates still seeking postdoctoral study. In all fields except engineering there is a larger proportion of women than men seeking postdoctoral study with the largest differences occuring in the physical science and life science fields.

FIGURE 5 Postgraduation Plans
Total Doctorates who were seeking a Postdoctoral Fellowship, Associateship or Traineeship but did not have a Definite Commitment when Surveyed, 1973 and 1974

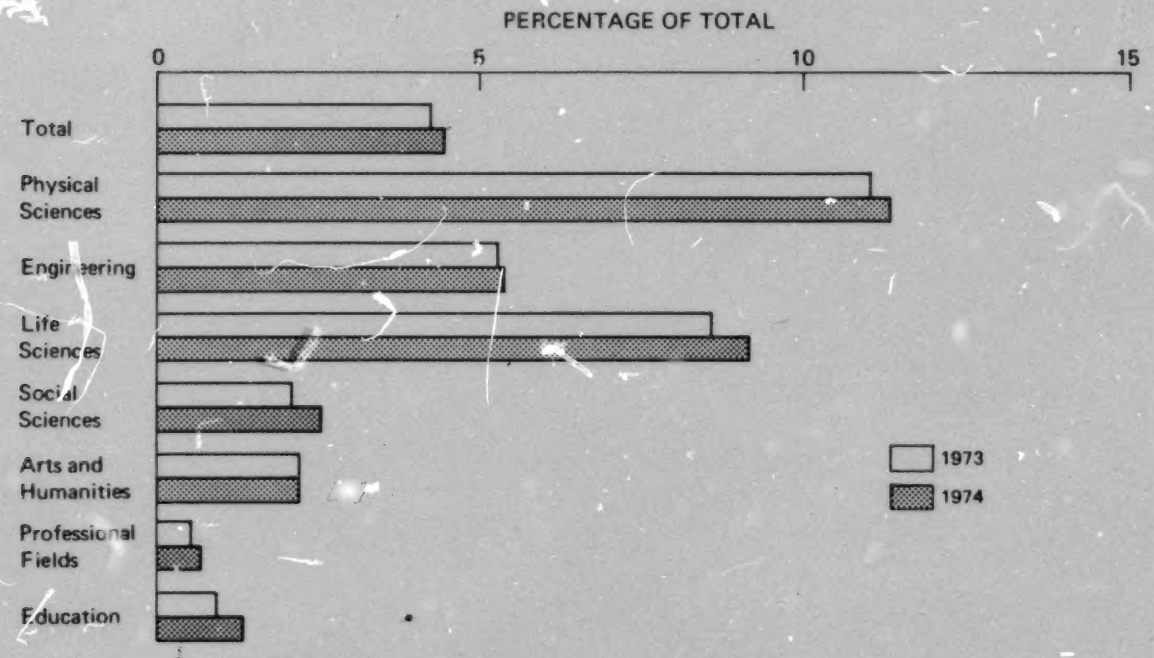


FIGURE 6 Postgraduation Plans
Doctorates who were seeking a Postdoctoral Fellowship, Associateship or Traineeship but did not have a Definite Commitment when Surveyed, by Racial or Ethnic Group, 1974

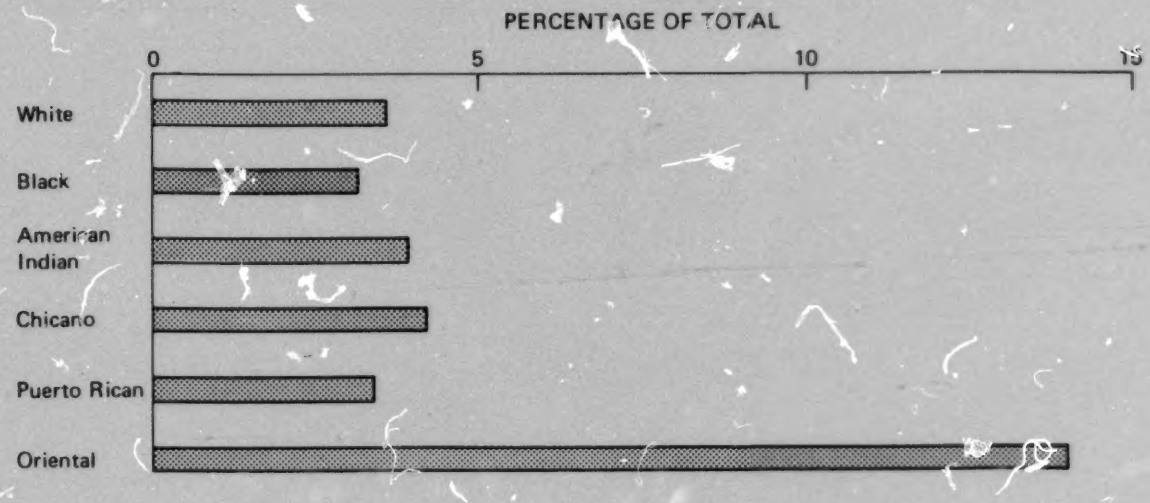
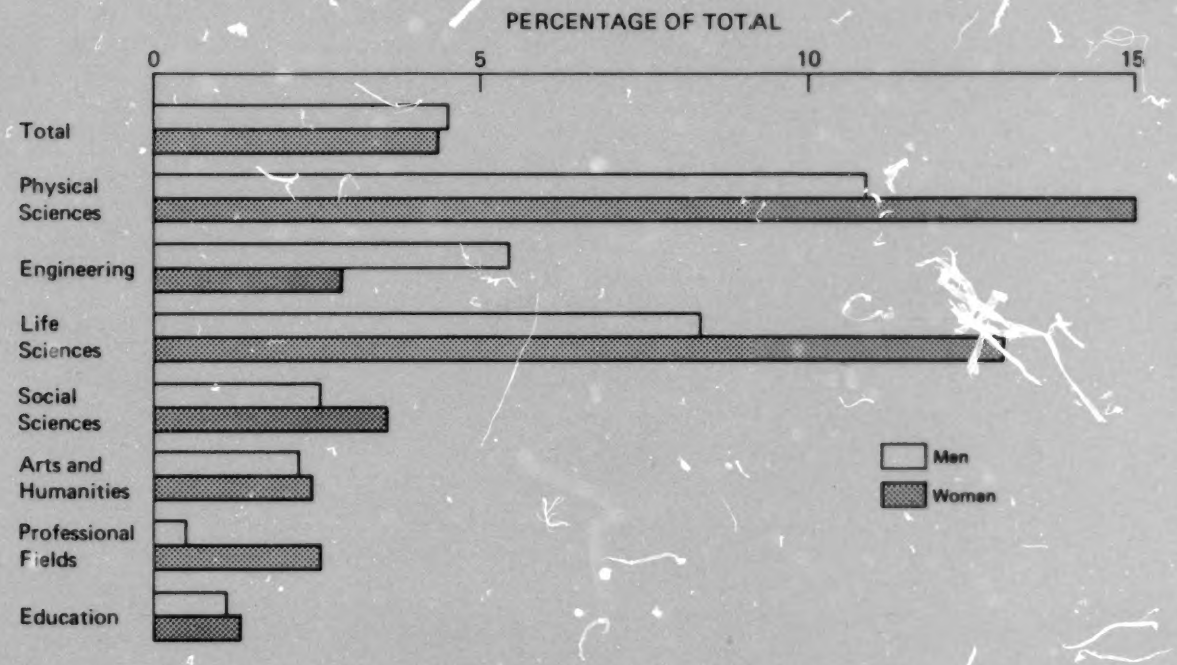


FIGURE 7 Postgraduation Plans
Doctorates who were seeking a Postdoctoral Fellowship, Associateship or Traineeship but did not have a Definite Commitment when Surveyed, by Sex, 1974



EXPLANATION OF FIVE BASIC TABLES

TABLE 1	Number of Doctorate Recipients by Sex and Subfields, FY 1974
TABLE 2	Statistical Profile of All Doctorate Recipients and Women Doctorate Recipients by Field of Doctorate, FY 1974 (two tables)
TABLE 2a	New data items for Statistical Profile of All Doctorate Recipients and Women Doctorate Recipients by Field of Doctorate, FY 1973 (two tables)
TABLE 3	Percentage of FY 1974 Doctorate Recipients by Sources of Support in Graduate School, by Sex and Summary Fields
TABLE 4	Number of FY 1974 Doctorate Recipients by Sex, State of Doctoral Institution and Summary Field
TABLE 5	Statistical Profile of Doctorate Recipients by Racial or Ethnic Group and U.S. Citizenship Status, FY 1974

Table titles and headings are generally self-explanatory, but a few terms need special definition or explanation.

Table 2:

There are two 2-page tables; one presents data about all doctorate recipients of FY 1974 and the other contains data about women only. The fields of the doctorate which head Table 2 are the same as these in the 1972 and 1973 reports but differ from those in the *Summary Reports* for 1967-71. This table provides data by field and also by broader summary field. Refer to page 27 for the codes included in each broad field and the Specialties List on page 26 for the codes and names of each subfield.

"Median Age at Doctorate"—One-half received the doctorate at this age or younger.

"Percent with Master's"—This indicates the percentage of doctorate recipients in a field who received a master's degree in any field before taking the doctorate.

"Median Time Lapse"—*Total Time* refers to total calendar time elapsed between year of baccalaureate and year of doctorate; *Registered Time* refers to the total time registered in a university between baccalaureate and doctorate.

Postgraduation plans of the doctorate recipients are grouped as: *Postdoctoral study* (fellowship, research associateship, traineeship, other), *Employment* (educational institution, industry, etc.), or *Unknown*. The sum of the columns of percentages totals 100% with allowance for rounding. For example, 4.3% of all the engineers plan to go to postdoctoral fellowships, 7.0% to research associateships, 0.3% to traineeships, and 0.6% plan on some other form of postdoctoral study support; 80.9% plan on employment; and 7.0% did not indicate their postgraduation plans. The percentages listed by type of employer (educational institution, industry, etc.) total to the 80.9% planning on employment.

Four new lines of data are included in this report to distinguish between individuals who have definite postgraduation plans (item R: "Have signed contract or made definite commitment" in the survey questionnaire p. 25) and those who are still seeking employment or postdoctoral study (item R: negotiating, seeking, or other). These four lines when added to the prior line "status unknown" total 100%. The two lines for definite postdoctoral study and seeking postdoctoral study add to the total percentage planning study and the two lines for definite employment and seeking employment add to the total percentage planning employment.

Percentages showing the distribution of doctorate recipients by *work activity* and by *region of employment* are based only on those who have a definite employment commitment. They exclude those still seeking employment and those planning postdoctoral study as described in the categories above. These data differ from earlier Summary Reports which included all individuals planning on employment i.e. those seeking as well as those having definite employment.

Table 2a:
The four lines of new data in Table 2 for doctorates seeking and those having definite employment or postdoctoral plans and the data on *work activity* and *region of employment* for those having definite employment are provided for 1973 to give a basis for comparison.

Table 3:
Data in Table 3 describe sources of financial support during graduate school. The question was answered by 30,655 (93%) of the FY 1974 doctorate recipients. The data in the table should be interpreted as follows: 449 male doctorate recipients in the physical sciences reported financial support from NSF fellowships during graduate school. This number is 10.5% of the male physical science doctorates who answered the question, and it is 34.4% of the males in all fields that reported NSF fellowship support. Since students may indicate multiple sources of support, the vertical percentages sum to more than 100%.

Table 4:
Table 4 shows the *number of persons* receiving a doctorate from universities in each of the 50 states, District of Columbia and Puerto Rico.

Table 5:
The 1973 Summary Report was the first to include data for racial and ethnic groups. The tables in that report stimulated many questions for more detailed data by individual racial or ethnic group. This report provides such data in Table 5 which contains data by race or ethnic group and by U.S. citizenship status for selected variables from Tables 2, 3 and 4.

Comparisons between the 1973 data and the 1974 data are somewhat tenuous because of the large number of cases (8,592) for which racial or ethnic data were unavailable in 1973. For this reason 1973 data in Table 5 format have not been included in this report. For people who have a special interest in minority data Table 5 for 1973 is available on request.

ESTIMATION PROCEDURES

At the time data processing was done for the summary report the information available for 1,958 individuals, less than 6% of the total number, was incomplete. Since these individuals were not evenly distributed across fields and institutions, estimates for missing data were based on responses for individuals of the same sex in the same field and from the same institution for 1974 where data were available. When the 1974 data were not available, estimates were based on 1973 data for the appropriate sex, field and institution. The use of 1973 data could cause a small underestimate in measures of change from 1973 to 1974.

TABLE 1
NUMBER OF DOCTORATE RECIPIENTS, BY SUBFIELDS, FISCAL YEAR 1974*

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES		
	MEN	WOMEN	TOTAL
TOTAL ALL FIELDS	**26585**	**6415**	**33000**
PHYSICAL SCIENCES	**4517**	**375**	**4892**
MATHEMATICS	1081	115	1196
ALGEBRA	105	19	124
ANALYSIS	189	24	213
GEOMETRY	35	3	38
LOGIC	19	2	21
NUMBER THEORY	21	2	23
PROBABILITY,MATH STATISTICS	138	12	150
TOPOLOGY	97	15	112
COMPUTING THEORY AND PRACTICE	180	14	194
OPERATIONS RESEARCH	24		24
APPLIED MATHEMATICS	133	5	138
MATHEMATICS,GENERAL	101	10	111
MATHEMATICS,OTHER	39	9	48
PHYSICS AND ASTRONOMY	1277	57	1334
ASTRONOMY	51	5	56
ASTROPHYSICS	76	1	77
ATOMIC AND MOLECULAR PHYSICS	116	4	120
ELECTROMAGNETISM	8		8
MECHANICS	5	1	6
ACOUSTICS	11		11
FLUIDS	21	1	22
PLASMA PHYSICS	57		57
OPTICS	25	1	26
THERMAL PHYSICS	18		18
ELEMENTARY PARTICLES	137	11	148
NUCLEAR STRUCTURE	143	1	144
SOLID STATE	332	19	351
PHYSICS,GENERAL	153	9	162
PHYSICS,OTHER	124	4	128
CHEMISTRY	1618	174	1792
ANALYTICAL	138	7	145
INORGANIC	176	28	204
ORGANIC	573	50	623
NUCLEAR	30	2	32
PHYSICAL	360	47	407
THEORETICAL	47	8	55
AGRICULTURAL AND FOOD	11	2	13
PHARMACEUTICAL	56	6	62
POLYMER CHEMISTRY	33	2	35
CHEMISTRY,GENERAL	150	14	164
CHEMISTRY,OTHER	44	8	52
EARTH SCIENCES	541	29	570
MINERALOGY,PETROLOGY	39	1	40
GEOCHEMISTRY	44	4	48
STRATIGR,SEDIMENTATION	47		47
PALEONTOLOGY	35	4	39
STRUCTURAL GEOLOGY	15		15
GEOPHYSICS	78	4	82
GEOMORPHOL,GLACIAL GEOLOGY	19	1	20
HYDROLOGY	16	1	17
OCEANOGRAPHY	73	8	81
METEOROLOGY	58	2	60
APPL GEOL,GEOL ENG,ECON GEOL	30		30
FUEL TECHNOL,PETROL ENG	11	1	12
EARTH SCIENCES,GENERAL	50	1	51
EARTH SCIENCES,OTHER	26	2	28
ENGINEERING	**3110**	**34**	**3144**
AERONAUTICAL AND ASTRONAUTICAL	148	3	151
AGRICULTURAL	56		56
BIOMEDICAL ENGINEERING	60	1	61
CIVIL	328	4	332
CHEMICAL	396	8	404
CERAMIC	24	2	26
ELECTRICAL	598	3	601
ELECTRONICS	84		84
INDUSTRIAL	92	1	93
NUCLEAR ENGINEERING	111	1	112
ENGINEERING MECHANICS	159	2	161
ENGINEERING PHYSICS	26	1	27
MECHANICAL	372	3	375
METALLURGY AND PHYS MET ENG	140	1	141
OPERATIONS RESEARCH	124	1	125
FUEL TECH, PETROL ENGR	19		19
SANITARY	34		34
MINING ENGINEERING	3		3
MATERIAL SCIENCE ENGINEERING	120	1	121
ENGINEERING,GENERAL	44	1	45
ENGINEERING,OTHER	172	1	173
LIFE SCIENCES	**4031**	**863**	**4894**
BIOLOGICAL SCIENCES	2503	687	3190
BIOCHEMISTRY	459	147	606
BIOPHYSICS	105	14	119
BIOMETRICS,BIOSTATISTICS	28	7	35
ANATOMY	98	25	123
CYTOLOGY	22	14	36
EMBRYOLOGY	15	6	21
IMMUNOLOGY	54	17	71
BOTANY	153	28	181
ECOLOGY	131	16	147
HYDROBIOLOGY	16		16
MICROBIOLOGY	275	105	380
PHYSIOLOGY,ANIMAL	256	55	311
PHYSIOLOGY,PLANT	68	10	78
ZOOLOGY	216	42	258
GENETICS	95	31	126
ENTOMOLOGY	161	14	175
MOLECULAR BIOLOGY	91	44	135
BIOL SCIENCES,GENERAL	124	56	180
BIOL SCIENCES,OTHER	136	56	192
AGRICULTURAL SCIENCES	962	48	1010
AGRONOMY	129	3	132
AGRICULTURAL ECONOMICS	174	6	180
ANIMAL HUSBANDRY	18		18
FOOD SCIENCE AND TECHNOLOGY	82	19	101
FISH AND WILDLIFE	54	2	56
FORESTRY	78		78
HORTICULTURE	43	2	45
SOILS AND SOIL SCIENCE	93	1	94
ANIMAL SCIENCES	127	9	136
PHYTOPATHOLOGY	86	5	91
AGRICULTURE,GENERAL	5		5
AGRICULTURE,OTHER	73	1	74
MEDICAL SCIENCES	470	120	590
MEDICINE AND SURGERY	5		5
PUBLIC HEALTH	67	34	101
VETERINARY MEDICINE	31	2	33
HOSPITAL ADMINISTRATION	7		7
PARASITOLOGY	20	4	24
PATHOLOGY	73	8	81
PHARMACOLOGY	143	35	178
PHARMACY	56	5	61
MEDICAL SCIENCES, GENERAL	10	4	14
MEDICAL SCIENCES, OTHER	58	28	86
ENVIRONMENTAL SCIENCES	96	8	104

*See note on page 11 re estimation procedures for this report.

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES		
	MEN	WOMEN	TOTAL
SOCIAL SCIENCES (INCL PSYCH)	**4724**	**1432**	**6156**
ANTHROPOLOGY	256	125	381
COMMUNICATIONS	218	65	283
SOCIOLOGY	461	184	645
ECONOMICS	760	73	833
ECONOMETRICS	19	1	20
STATISTICS	34	2	36
GEOGRAPHY	183	14	197
AREA STUDIES	25	9	34
POLITICAL SCIENCE,PUBLIC ADMIN	660	115	775
INTERNATIONAL RELATIONS	124	8	132
URBAN AND REG PLANNING	66	5	71
SOCIAL SCIENCES,GENERAL	25	9	34
SOCIAL SCIENCES,OTHER	97	31	128
PSYCHOLOGY	1796	791	2587
CLINICAL	529	222	751
COUNSELING AND GUIDANCE	144	64	208
DEVELOP AND GERONTOL	87	84	171
EDUCATIONAL	85	39	124
SCHOOL PSYCHOLOGY	53	39	92
EXPERIMENTAL	271	89	360
COMPARATIVE	23	6	29
PHYSIOLOGICAL	82	38	120
INDUSTRIAL AND PERSONNEL	76	7	83
PERSONALITY	44	15	59
PSYCHOMETRICS	18	9	27
SOCIAL	145	62	207
PSYCHOLOGY,GENERAL	155	60	215
PSYCHOLOGY,OTHER	84	57	141
ARTS AND HUMANITIES	**3606**	**1568**	**5174**
ART, FINE AND APPLIED	3	1	4
ART, HISTORY AND CRITICISM	70	55	125
HISTORY,AMERICAN	352	80	432
HISTORY,EUROPEAN	259	65	324
HISTORY,GENERAL AND OTHER	329	66	395
HISTORY AND PHILOSOPHY OF SCIENCE	23	9	32
MUSIC	308	72	380
SPEECH AS A DRAMATIC ART	111	32	143
ARCHEOLOGY	11	9	20
RELIGION	163	15	178
PHILOSOPHY	354	65	419
LINGUISTICS	99	68	167
AMERICAN LANG AND LIT	169	86	255
ENGLISH LANG AND LIT	687	425	1112
GERMAN LANG AND LIT	94	76	170
RUSSIAN LANG AND LIT	39	23	62
FRENCH LANG AND LIT	107	164	271
SPANISH AND PORTUGUESE LANG AND LIT	145	88	233
ITALIAN LANG AND LIT	13	13	26
CLASSICAL LANG AND LIT	55	33	88
ALL OTHER MODERN LANGUAGES	92	32	124
ARTS AND HUMANITIES,GENERAL	14	10	24
ARTS AND HUMANITIES,OTHER	109	81	190
PROFESSIONAL FIELDS	**1226**	**195**	**1421**
THEOLOGY	166	14	180
BUSINESS ADMINISTRATION	754	35	789
HOME ECONOMICS	7	36	43
JOURNALISM	21	1	22
SPEECH AND HEARING SCIENCES	90	40	130
LAW,JURISPRUDENCE	23	1	24
SOCIAL WORK	80	35	115
LIBRARY AND ARCHIVAL SCIENCE	34	22	56
PROFESSIONAL FIELDS,OTHER	51	11	62

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES		
	MEN	WOMEN	TOTAL
EDUCATION	**5322**	**1939**	**7261**
FOUNDATIONS,SOCIAL,PHILOS	209	74	283
EDUCATIONAL PSYCHOLOGY	311	171	482
ELEMENTARY EDUCATION, GENERAL	137	152	289
SECONDARY EDUCATION, GENERAL	160	47	207
HIGHER EDUCATION	464	113	577
ADULT EDUC AND EXTENSION EDUC	132	28	160
EDUCATIONAL MEAS AND STATISTICS	69	27	96
CURRICULUM AND INSTRUCTION	510	260	770
EDUCATIONAL ADMIN AND SUPERVISION	1239	162	1401
GUIDANCE,COUNS,STUDENT PERSONNEL	462	191	653
SPECIAL EDUC,GIFTED,HANDICAPPED,ETC	172	107	279
AUDIO-VISUAL MEDIA	67	15	82
AGRICULTURE	26		26
ART	39	18	57
BUSINESS	54	29	83
ENGLISH	56	36	92
FOREIGN LANGUAGE	19	11	30
HOME ECONOMICS	3	31	34
INDUSTRIAL ARTS	55	2	57
MATHEMATICS	86	24	110
MUSIC	103	20	123
PHYS ED, HEALTH, AND REC	249	106	355
SCIENCE EDUCATION	111	28	139
SOCIAL SCIENCE EDUCATION	56	11	67
VOCATIONAL EDUCATION	167	23	190
OTHER TEACHING FIELDS	75	86	161
EDUCATION,GENERAL	212	108	320
EDUCATION,OTHER	79	59	138
OTHER AND UNSPECIFIED	**49**	**9**	**58**

SOURCE: NRC, Commission on Human Resources, Doctorate Records File

TABLE 2
STATISTICAL PROFILE OF FY 1974 DOCTORATE RECIPIENTS, BY FIELD OF DOCTORATE 1/ 2/

TOTAL ALL DOCTORATES

	FY 1974 TOTAL	PHYSICS AND ASTRONOMY	CHEMISTRY	EARTH SCIENCES	PHYSICAL SCIENCES	MATHEMATICS	ENGINEERING	ENP FIELDS	BASIC MEDICAL SCIENCES	OTHER BIOSCIENCES	BIOSCIENCES	MEDICAL SCIENCES	AGRICULTURAL SCIENCES	ENVIRONMENTAL SCIENCES
NUMBER IN FIELD	33000	1334	1792	570	3696	1196	3144	8036	1802	1388	3190	490	1010	104
MALE %	80.6	95.7	90.3	94.9	93.0	90.4	98.9	94.9	76.3	81.3	79.3	79.7	93.2	92.3
FEMALE %	19.4	4.3	9.7	5.1	7.0	9.6	1.1	5.1	23.7	18.7	21.5	20.3	4.8	7.7
U.S. CITIZENSHIP %	81.3	72.8	78.5	72.1	75.4	73.0	56.8	67.8	81.6	80.7	81.2	72.0	57.4	79.8
FOREIGN CITIZENSHIP %	16.1	25.2	19.8	25.4	22.6	24.8	40.1	29.8	15.6	16.6	16.5	21.7	40.9	17.3
UNKNOWN %	2.6	2.0	1.7	2.6	2.0	2.2	3.1	2.5	2.7	2.7	2.3	6.3	1.7	2.9
MARRIED %	70.8	65.4	69.4	76.1	69.0	64.7	71.2	69.2	69.6	70.6	70.0	72.4	82.3	78.8
NOT MARRIED %	24.5	30.8	27.1	17.5	27.0	31.6	23.9	26.5	26.5	24.9	25.8	21.7	14.7	20.2
UNKNOWN %	4.7	3.7	3.5	6.3	4.0	3.7	4.9	4.3	3.9	4.5	4.1	5.9	3.1	1.0
MEDIAN AGE AT DOCTORATE 3/	31.4	29.3	28.5	30.9	29.1	29.2	30.3	29.6	29.0	30.2	29.5	31.1	31.3	31.0
PERCENT WITH BACC IN SAME FIELD AS DOCTORATE	57.8	81.5	85.8	52.6	79.1	76.1	82.8	80.1	14.7	64.6	36.4	31.7	68.2	2.9
PERCENT WITH MASTERS	81.9	67.9	40.3	80.7	56.5	79.8	91.5	73.7	47.2	72.0	58.0	59.2	90.4	89.4
MEDIAN TIME LAPSE FROM BACC TO DOCT														
TOTAL TIME YRS	8.5	7.1	6.0	8.0	6.7	7.1	7.6	7.1	6.5	7.3	6.9	7.7	8.0	8.1
REGISTERED TIME YRS	5.9	6.1	5.2	5.7	5.6	5.5	5.6	5.6	5.4	5.8	5.6	5.6	5.4	5.6
POSTDOCTORAL STUDY PLANS %	14.9	46.2	47.3	20.2	42.7	9.2	12.2	25.8	63.3	28.5	48.2	30.8	14.7	9.6
FELLOWSHIP	6.8	17.5	23.2	8.6	18.9	3.7	4.3	10.9	35.0	14.8	26.2	14.4	4.9	1.9
RESEARCH ASSOC	5.9	26.5	21.7	10.9	21.8	3.8	7.0	13.3	19.8	11.5	16.2	9.2	7.7	5.8
TRAINEESHIP	.6	.4	.8	.5	.6	.8	.3	.5	1.4	.8	1.2	.8	.9	.0
OTHER	1.6	1.9	1.5	.2	1.4	1.0	.6	1.0	7.0	1.4	4.6	6.4	1.2	1.9
PLANNED EMPLOYMENT AFTER DOCTORATE %	77.6	46.2	47.4	71.1	50.6	84.0	80.9	67.4	31.0	62.2	44.6	58.3	79.3	82.7
EDUC INSTITUTION	51.4	16.1	13.4	31.1	17.1	61.4	20.4	25.0	18.6	41.3	28.5	30.2	40.1	30.8
INDUSTRY/BUSINESS	9.8	17.5	25.4	16.1	19.7	11.2	42.6	27.4	4.3	5.5	4.8	11.2	14.8	25.0
GOVERNMENT	8.9	11.7	5.5	18.1	9.7	5.2	12.5	10.1	4.8	9.6	6.9	10.7	18.3	16.3
NONPROFIT	3.3	.9	.9	1.1	.9	.8	2.5	1.5	1.6	1.5	1.6	3.9	1.9	6.7
OTHER & UNKNOWN	4.0	4.0	2.3	4.7	3.3	5.4	3.0	3.5	1.7	4.3	2.9	2.4	4.3	3.8
POSTDOCT STATUS UNKN %	7.5	7.6	5.3	8.8	6.7	6.8	7.0	6.8	5.7	9.2	7.2	10.8	6.0	7.7
DEFINITE POSTDOCTORAL STUDY	10.5	33.7	35.2	14.2	31.4	4.8	6.8	17.8	51.6	19.5	37.6	24.1	8.4	3.8
SEEKING POSTDOCTORAL STUDY	4.4	12.5	12.1	6.0	11.3	4.3	5.3	7.9	11.7	9.1	10.5	6.8	6.2	5.8
DEFINITE EMPLOYMENT	57.7	30.9	37.2	56.5	37.9	55.9	60.1	49.2	21.6	44.9	32.3	46.3	60.3	63.5
SEEKING EMPLOYMENT	19.9	15.3	10.3	14.6	12.7	28.2	20.8	18.2	8.4	17.4	12.3	12.0	19.0	19.2
EMPLOYMENT ACTIVITY AFTER DOCTORATE %														
PRIMARY ACTIVITY														
R & D	22.2	60.0	62.5	47.8	58.4	30.7	62.3	55.6	40.3	33.5	36.2	47.3	51.6	27.3
TEACHING	50.5	27.4	24.0	33.5	27.2	57.0	19.8	28.7	43.2	49.0	46.7	32.2	26.3	25.8
ADMINISTRATION	11.3	1.7	2.6	4.7	2.8	2.4	2.7	2.7	3.4	2.2	2.7	7.0	3.1	7.6
PROF. SERVICES	8.8	1.2	3.5	5.3	3.2	4.3	6.5	5.0	6.6	6.7	6.7	7.3	8.2	16.7
OTHER	1.8	2.4	3.0	3.1	2.9	.9	3.4	2.8	.2	2.1	1.4	.7	3.6	12.1
ACTIVITY UNKNOWN	5.3	7.3	4.5	5.6	5.6	4.6	5.3	5.3	6.1	6.4	6.3	5.5	7.2	10.6
SECONDARY ACTIVITY														
R & D	26.1	15.0	15.6	27.6	18.2	41.3	16.3	21.2	30.7	30.2	30.4	26.7	19.4	30.3
TEACHING	8.8	8.0	3.5	8.7	6.0	14.2	6.2	7.5	14.3	12.4	13.1	16.5	15.6	9.1
ADMINISTRATION	8.1	7.3	11.0	7.5	9.1	2.8	8.3	7.7	7.4	7.2	7.3	11.0	6.7	6.1
PROF. SERVICES	6.1	3.6	3.0	4.2	3.9	3.4	5.1	4.4	5.2	3.7	4.3	6.2	5.7	4.5
OTHER	1.1	1.0	.2	.9	.6	.4	1.4	1.0	.0	.3	.2	.4	1.0	1.5
NO SECONDARY ACTIVITY	44.3	57.8	68.3	43.5	56.6	33.1	57.3	53.0	36.4	39.8	38.4	33.3	44.2	37.9
UNKNOWN	5.5	7.3	4.5	5.6	5.6	4.6	5.3	5.3	6.1	6.4	6.3	5.9	7.4	10.6
REGION OF EMPLOYMENT AFTER DOCTORATE %														
NEW ENGLAND	6.1	8.3	5.1	5.9	6.2	6.7	6.1	6.3	6.1	4.8	5.3	5.5	1.0	6.1
MIDDLE ATLANTIC	16.2	16.0	21.8	9.9	17.4	17.7	17.4	17.4	14.7	12.2	13.2	17.9	4.4	24.2
EAST NO CENTRAL	15.1	10.0	16.1	5.9	11.9	13.2	14.5	13.3	16.0	11.4	13.2	14.3	11.7	18.2
WEST NO CENTRAL	6.9	1.7	7.4	5.0	5.1	5.2	3.0	4.1	6.4	7.2	6.9	6.2	8.5	1.5
SOUTH ATLANTIC	16.2	21.8	21.8	15.8	20.4	16.5	13.4	16.4	22.4	16.2	18.6	16.5	12.8	19.7
EAST SO CENTRAL	5.1	4.4	5.0	2.8	4.3	3.6	3.8	3.9	3.9	6.3	5.3	5.5	5.1	4.5
WEST SO CENTRAL	7.4	2.9	5.1	13.4	6.4	7.9	6.8	6.8	8.1	8.7	8.4	7.3	7.1	6.1
MOUNTAIN	4.9	8.5	2.3	10.2	5.9	3.1	5.3	5.2	3.2	7.5	5.8	1.5	5.1	3.0
PACIFIC & INSULAR	10.8	10.9	7.5	13.0	9.8	12.1	14.9	12.6	7.6	11.2	9.8	9.9	9.2	12.1
FOREIGN	9.0	12.9	4.5	14.6	9.3	12.3	12.2	11.2	7.9	13.5	11.3	13.6	33.8	3.0
REGION UNKNOWN	2.2	2.7	3.6	3.4	3.3	1.6	2.6	2.7	3.7	1.0	2.0	1.8	1.3	1.5

1/ Refer to explanatory note on page 10 and description of doctoral field groupings on page 27.
2/ See note on page 11 re estimation procedures used for this report.
3/ For purposes of trend analysis of the "median age at doctorate" the medians for all categories in the Summary Reports of Doctorate Recipients from United States Universities for 1967 and 1968 should be adjusted by subtracting 0.5 years from the median given in the report. In the report for 1971 doctorates the median age for total doctorates shown as 30.1 should be corrected to 30.8 .

TABLE 2: CONTINUED

TOTAL ALL DOCTORATES

LIFE SCIENCES	PSYCHOLOGY	ECONOMICS	ANTHROPOLOGY & SOCIOLOGY	POLIT SCI, PUBLIC ADMIN, INTERN'L REL	OTHER SOCIAL SCIENCES	SOCIAL SCIENCES INCL. PSYCHOL.	TOTAL SCIENCES	HISTORY	ENG AND AMER LANG & LIT	FOREIGN LANG & LIT	OTHER ARTS & HUMANITIES	ARTS & HUMANITIES	PROFESSIONAL FIELDS	EDUCATION	OTHER OR UNSPECIFIED*	TOTAL NON SCIENCES
4894	2587	853	1026	907	783	6156	19086	1183	1367	974	1650	5174	1421	7241	58	17914
82.4	69.4	91.3	69.9	86.4	82.8	76.7	85.8	81.4	62.4	56.0	75.3	69.7	85.3	73.3	84.5	73.3
17.6	30.6	8.7	30.1	13.6	17.2	23.3	14.2	18.6	37.4	44.0	24.7	30.3	13.7	26.7	15.5	26.7
75.2	92.8	69.4	84.2	80.8	82.0	85.0	75.2	91.2	91.7	84.0	86.8	88.6	81.3	92.3		89.6
21.9	5.1	28.1	12.3	16.1	14.9	12.4	22.2	5.9	5.5	14.6	10.0	8.7	14.2	5.7		7.7
2.9	2.0	2.0	3.5	3.1	3.0	2.6	2.6	2.9	2.8	1.4	3.2	2.7	4.7	2.0		2.7
73.0	67.0	71.7	69.9	71.7	71.8	69.7	70.3	69.7	68.6	64.8	63.6	65.2	72.8	75.8		71.5
22.9	29.3	22.4	25.2	22.8	21.3	25.7	25.3	25.1	31.2	30.7	30.0	29.4	20.1	20.0		23.5
4.1	3.7	3.9	4.9	5.5	6.9	4.6	4.3	5.2	5.0	4.4	6.4	5.4	7.0	4.2		5.1
30.1	29.4	30.2	31.7	31.7	32.0	30.6	30.0	31.7	31.5	32.6	32.5	32.4	32.9	36.3		34.1
41.7	66.2	61.0	49.4	58.3	42.3	58.5	63.3	68.0	79.1	63.9	51.3	64.8	37.9	42.3		50.2
65.5	78.3	74.8	83.9	87.4	93.0	82.0	74.2	90.7	88.2	88.1	82.7	87.0	92.2	96.4		92.3
7.2	6.7	7.3	8.5	8.9	8.9	7.7	7.3	9.1	9.0	9.2	9.8	9.3	9.9	12.4		10.7
5.5	5.4	5.4	6.2	6.1	5.7	5.6	5.6	6.8	6.4	6.7	6.6	6.6	6.0	6.3		6.4
38.3	13.1	3.8	6.3	3.1	3.3	8.5	23.4	6.2	2.8	4.4	4.1	4.3	2.1	2.8		3.3
19.9	6.2	.8	3.8	3.1	1.1	4.0	10.0	2.5	.7	2.1	1.7	1.7	.5	.9		1.1
13.4	2.8	2.1	1.4	2.4	1.5	2.3	.8	1.3	.1	1.1	.7	.8	.6	.6		.7
1.0	1.8	.2	.3	.0	.4	.9	.8	.1	.1	.2	.3	.2	.5	.4		.3
4.0	2.2	.6	.9	1.5	.3	1.4	1.9	2.4	1.8	1.0	1.4	1.7	.6	.9		1.1
54.2	81.1	90.0	86.9	81.6	87.7	84.2	69.5	84.3	87.3	86.7	84.6	85.6	89.5	91.2		88.8
31.1	43.4	60.6	74.5	61.4	70.4	57.0	36.9	68.4	77.0	78.4	73.1	74.0	68.1	71.4		71.9
8.1	5.5	6.8	1.8	3.9	4.1	4.6	15.1	3.1	2.7	1.6	2.7	2.6	6.0	1.8		2.6
9.9	16.9	13.8	4.9	6.7	6.0	11.9	10.4	4.6	.9	1.6	1.6	2.1	6.2	9.7		6.5
2.0	11.1	3.6	1.4	3.3	3.4	6.6	3.3	1.8	.7	.4	3.5	1.8	7.5	3.4		3.2
3.1	4.2	5.2	2.5	4.3	3.8	4.0	3.6	6.4	6.1	4.5	3.8	5.1	1.8	4.9		4.6
7.4	5.8	6.2	6.7	11.1	8.9	7.2	7.1	9.6	9.9	8.9	11.3	10.1	8.4	6.0		7.9
29.2	9.7	2.6	4.3	3.7	1.7	5.9	16.9	2.4	1.5	2.1	2.3	2.0	2.3	1.5		1.7
9.1	3.4	1.2	2.0	3.3	1.7	2.6	6.5	3.8	1.3	2.4	1.8	2.2	.8	1.3		1.6
40.4	59.8	75.8	72.1	62.0	69.7	65.7	50.3	55.4	56.3	56.3	63.4	58.3	76.7	68.0		65.2
13.8	21.3	14.2	14.8	19.6	18.6	18.6	11.2	28.9	31.0	30.4	21.2	27.3	14.8	23.2		23.6
42.2	14.9	31.2	17.7	9.8	9.3	16.6	37.1	4.6	2.2	3.1	4.5	3.7	7.4	6.7		5.8
37.7	38.4	57.0	75.0	69.0	74.4	57.2	42.0	77.1	88.6	88.9	81.6	83.7	68.9	43.2		59.9
3.6	5.0	2.5	1.8	8.7	4.6	4.5	3.6	5.0	2.1	1.1	4.1	3.2	9.0	32.5		19.9
7.6	36.1	2.6	1.4	3.2	9.1	15.6	9.8	3.1	1.2	.5	3.6	2.3	8.3	10.7		7.6
2.3	1.3	2.3	1.1	2.3	2.6	1.7	2.3	3.5	2.1	1.3	1.7	2.1	1.6	.9		1.4
6.6	4.1	4.3	3.1	6.9	4.0	4.4	5.2	6.7	3.9	5.1	4.4	4.9	4.8	6.1		5.5
26.5	34.4	37.9	49.7	38.4	40.1	39.0	29.5	29.3	27.7	30.7	27.8	28.6	35.2	15.8		22.4
14.2	12.9	9.3	8.6	5.3	7.9	9.8	9.8	4.3	2.2	2.2	5.4	3.8	7.4	10.3		7.7
7.6	7.6	7.3	4.7	6.0	6.6	6.7	7.2	6.7	7.9	7.7	8.0	7.6	8.6	9.9		9.0
5.0	9.4	3.7	3.1	2.3	3.3	5.5	5.0	3.1	2.7	1.8	4.8	3.3	8.9	9.3		7.3
.5	.9	.2	.3	.7	.9	.6	.7	.6	2.5	1.5	3.4	2.2	1.3	1.2		1.6
39.5	30.1	37.4	30.9	39.7	37.0	33.7	42.5	49.3	53.1	51.1	46.0	49.5	33.6	47.3		46.4
6.7	4.6	4.3	3.1	7.5	4.2	4.5	5.3	6.7	4.0	5.1	4.5	5.0	5.0	6.2		5.6
4.0	7.0	7.0	7.4	4.6	4.8	6.5	5.9	10.8	9.7	9.7	6.7	8.9	4.5	5.2		6.3
11.5	20.1	15.6	17.7	14.9	15.6	17.6	16.3	19.5	20.9	17.9	18.1	19.1	12.4	15.0		16.1
13.0	16.6	10.7	14.3	12.1	18.3	14.8	13.9	12.1	15.5	15.9	17.2	15.4	17.2	16.7		16.4
7.1	6.2	6.0	5.9	5.2	6.2	6.0	5.5	6.4	6.5	9.7	8.1	7.6	8.0	9.0		8.4
16.6	15.6	22.4	14.1	22.1	13.7	17.1	16.7	17.4	15.3	13.0	15.4	15.4	16.2	15.8		15.7
5.3	5.2	4.0	4.7	5.5	3.5	4.8	4.5	5.5	5.6	3.5	3.7	4.5	6.3	6.3		5.7
7.8	6.2	3.6	5.7	6.8	5.3	5.6	6.5	7.5	7.5	5.8	7.0	7.0	10.3	8.8		8.4
4.9	3.4	2.6	5.5	3.7	5.5	4.0	4.7	3.4	3.4	4.9	4.0	3.9	5.1	6.2		5.3
9.7	12.2	9.0	11.8	10.7	15.8	11.9	11.7	8.2	9.6	11.7	9.7	9.7	9.1	10.1		9.8
18.3	3.6	16.8	11.1	11.9	9.7	9.1	11.7	6.9	4.3	5.7	8.0	6.4	9.4	5.0		6.0
1.8	3.7	2.3	1.8	2.5	1.6	2.7	2.5	2.3	1.7	2.4	2.1	2.1	1.4	2.0		1.9

*Statistics are not presented for this group because too few records contained the specified data.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 2
STATISTICAL PROFILE OF FY 1974 DOCTORATE RECIPIENTS, BY FIELD OF DOCTORATE 1/ 2/

WOMEN DOCTORATES

	FY 1974 TOTAL	PHYSICS AND ASTRONOMY	CHEMISTRY	EARTH SCIENCES	PHYSICAL SCIENCES	MATHEMATICS	ENGINEERING	SMP FIELDS	SOCIAL/BEHAVIORAL SCIENCES	OTHER BIOSCIENCES	BIOSCIENCES	MEDICAL SCIENCES	AGRICULTURAL SCIENCES	ENVIRONMENTAL SCIENCES *
NUMBER IN FIELD	33000	1334	1792	570	3696	1196	3144	7036	1802	1388	3190	590	1010	104
TOTAL FEMALE	6415	57	174	29	260	115	34	409	427	260	687	120	48	8
% FEMALE	19.4	4.2	9.7	5.1	7.0	9.6	1.1	5.1	23.7	18.7	21.5	20.3	4.8	7.7
U.S. CITIZENSHIP %	87.1	47.4	71.8	72.4	66.5	71.3	52.9	66.7	84.3	82.7	83.7	76.7	45.8	
FOREIGN CITIZENSHIP %	10.1	43.9	25.9	27.6	30.0	21.8	44.1	30.6	12.6	14.6	13.4	17.5	50.0	
UNKNOWN %	2.9	8.8	2.3	.0	3.5	6.9	2.9	2.7	3.0	2.7	2.9	5.8	4.2	
MARRIED %	53.5	64.9	49.4	62.1	54.2	59.1	67.6	56.7	33.6	50.0	52.3	53.3	64.6	
NOT MARRIED %	42.6	26.3	47.7	37.9	41.3	35.7	26.5	38.9	42.6	45.8	43.8	40.7	31.3	
UNKNOWN %	4.0	8.8	2.9	.0	3.8	5.2	5.9	4.4	3.7	4.2	3.9	5.0	4.2	
MEDIAN AGE AT DOCTORATE	32.3	32.7	28.2	30.4	28.6	28.9	29.2	28.7	28.8	29.3	29.0	31.9	30.8	
PERCENT WITH BACC IN SAME FIELD AS DOCTORATE	53.2	20.7	35.0	44.8	80.0	83.3	58.8	79.2	16.2	18.8	36.1	41.7	31.3	
PERCENT WITH MASTERS	83.4	73.7	46.6	82.8	56.5	84.3	85.3	66.7	45.7	63.8	52.5	72.5	93.8	
MEDIAN TIME LAPSE FROM BACC TO DOCT														
TOTAL TIME YRS	9.5	7.6	6.0	7.5	6.5	6.9	6.7	6.6	6.6	7.1	6.8	9.6	8.4	
REGISTERED TIME YRS	6.0	6.4	5.3	5.4	5.5	5.6	4.7	5.5	5.4	5.9	5.5	5.6	5.5	
POSTDOCTORAL STUDY PLANS %	13.4	45.6	47.1	17.2	43.5	6.1	5.9	29.8	64.6	36.9	54.1	29.2	31.3	
FELLOWSHIP	6.4	19.3	17.8	6.9	16.9	1.7	.0	11.2	39.1	18.8	31.4	16.7	6.3	
RESEARCH ASSOC	4.2	24.6	24.1	6.9	22.3	1.7	5.9	15.2	17.8	15.4	16.9	6.7	20.8	
TRAINEESHIP	.8	.0	2.9	3.4	2.3	.9	.0	1.7	2.1	.8	1.6	1.7	2.1	
OTHER	2.0	1.8	2.3	.0	1.9	1.7	.0	1.7	5.6	1.9	4.2	4.2	2.1	
PLANNED EMPLOYMENT AFTER DOCTORATE %	78.3	38.6	46.0	79.3	48.1	89.6	79.4	62.3	26.9	51.2	36.1	60.8	58.3	
EDUC INSTITUTION	60.4	19.3	20.7	44.8	23.1	65.2	52.9	37.4	18.3	41.9	27.2	37.5	35.4	
INDUSTRY/BUSINESS	3.1	7.0	16.7	13.8	14.2	7.8	20.6	13.0	1.6	1.5	1.6	3.3	12.5	
GOVERNMENT	5.2	3.5	2.9	6.9	3.5	1.7	.0	2.7	1.9	2.7	2.2	8.3	8.3	
NONPROFIT	3.3	.0	.6	3.4	.8	.9	.0	.7	1.9	.4	1.3	5.8	.0	
OTHER & UNKNOWN	6.3	8.8	5.2	10.3	6.5	13.9	5.9	8.6	3.3	4.6	3.8	5.8	2.1	
POSTDOCT STATUS UNKN %	8.3	15.8	6.9	3.4	8.5	4.3	14.7	7.8	8.4	11.9	9.8	10.0	10.4	
DEFINITE POSTDOCTORAL STUDY	9.0	28.1	31.6	10.3	28.5	.9	2.9	18.6	50.4	25.8	41.0	26.0	10.4	
SEEKING POSTDOCTORAL STUDY	4.3	17.5	15.5	6.9	15.0	5.2	2.9	11.2	14.3	11.2	13.1	9.2	20.8	
DEFINITE EMPLOYMENT	52.2	33.1	29.9	48.3	27.3	49.6	55.9	35.9	15.9	33.1	22.4	38.3	39.6	
SEEKING EMPLOYMENT	26.0	29.1	16.1	31.0	20.8	40.0	23.5	26.4	11.0	18.1	13.7	22.5	18.8	
EMPLOYMENT ACTIVITY AFTER DOCTORATE %														
PRIMARY ACTIVITY														
R & D	10.9	2.0	57.7	6.9	53.5	26.3	36.8	40.8	26.5	23.3	24.7	30.4	36.8	
TEACHING	64.3	74.0	40.4	42.9	43.7	66.7	52.6	53.1	58.8	64.0	61.7	47.8	47.4	
ADMINISTRATION	8.5	.0	.0	.0	.0	1.8	.0	.7	4.4	1.2	2.6	6.5	5.3	
PROF. SERVICES	10.2	.0	1.9	.0	1.4	3.5	.0	2.0	1.5	7.0	4.5	6.5	5.3	
OTHER	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	
ACTIVITY UNKNOWN	4.7	.0	.0	7.1	1.4	1.8	10.5	2.7	8.8	4.7	6.5	6.5	5.3	
SECONDARY ACTIVITY														
R & D	29.1	40.0	17.3	28.6	21.1	47.4	26.3	32.0	38.2	39.5	39.0	21.7	36.8	
TEACHING	9.1	.0	5.8	7.1	5.6	21.1	10.5	12.2	7.4	12.8	10.4	15.2	15.8	
ADMINISTRATION	7.3	.0	5.8	.0	4.2	.0	.0	2.0	5.9	4.7	5.2	13.0	.0	
PROF. SERVICES	6.6	.0	.0	.0	.0	1.8	5.3	1.4	4.4	1.2	2.6	4.3	10.5	
OTHER	1.5	.0	1.9	.0	1.4	.0	.0	.7	.0	1.2	.6	.0	.0	
NO SECONDARY ACTIVITY	41.6	60.0	69.2	57.1	66.2	28.1	47.4	49.0	35.3	36.0	35.7	39.1	31.6	
UNKNOWN	4.8	.0	.0	7.1	1.4	1.8	10.5	2.7	8.8	4.7	6.5	6.5	5.3	
REGION OF EMPLOYMENT AFTER DOCTORATE %														
NEW ENGLAND	8.0	40.0	3.8	7.1	7.0	8.8	10.5	8.2	8.8	2.3	5.2	4.3	.0	
MIDDLE ATLANTIC	19.7	20.0	23.1	28.6	23.9	26.3	26.3	25.2	16.2	17.4	16.9	30.4	.0	
EAST NO CENTRAL	15.0	.0	9.6	.0	7.0	12.3	15.8	10.2	19.1	9.3	13.6	6.5	10.5	
WEST NO CENTRAL	6.7	.0	11.5	.0	8.5	7.0	.0	6.8	4.4	5.8	5.2	2.2	26.3	
SOUTH ATLANTIC	15.7	.0	23.1	7.1	18.3	10.5	.0	12.9	25.0	17.4	20.8	15.2	15.8	
EAST SO CENTRAL	4.9	.0	5.8	.0	4.2	.0	.0	2.0	4.4	9.3	7.1	2.2	5.3	
WEST SO CENTRAL	6.7	.0	5.8	14.3	7.0	7.0	5.3	6.8	4.4	7.0	5.8	4.3	10.5	
MOUNTAIN	4.2	.0	1.9	7.1	2.8	3.5	.0	2.7	2.9	9.3	6.5	.0	.0	
PACIFIC & INSULAR	11.3	.0	7.7	14.3	8.5	17.5	15.8	12.9	8.8	14.0	11.7	23.9	10.5	
FOREIGN	5.5	40.0	5.8	14.3	9.9	1.8	26.3	8.8	1.5	5.8	3.9	10.9	21.1	
REGION UNKNOWN	2.3	.0	1.9	7.1	2.8	5.3	.0	3.4	4.4	2.3	3.2	.0	.0	

1/ Refer to explanatory note on page 10 and the description of doctoral field groupings on page 27.
2/ See note on page 11 re estimation procedures used for this report.

TABLE 2. CONTINUED

WOMEN DOCTORATES

LIFE SCIENCES	PSYCHOLOGY	ECONOMICS	ANTHROPOLOGY & SOCIOLOGY	POLIT SCI, PUBLIC ADMIN, INTERN'L REL	OTHER SOCIAL SCIENCES	SOCIAL SCIENCES INCL. PSYCHOL.	TOTAL SCIENCES	HISTORY	ENG AND AMER LANG & LIT	FOREIGN LANG & LIT	OTHER ARTS & HUMANITIES	ARTS & HUMANITIES	PROFESSIONAL FIELDS	EDUCATION	OTHER OR UNSPECIFIED *	TOTAL NON-SCIENCES
4894	2587	853	1026	907	793	6156	19086	1183	1367	974	1650	5174	1421	7261	58	13914
663	791	74	309	123	135	1432	2704	220	511	429	408	1568	195	1939	9	3711
13.6	30.6	8.7	30.1	13.6	17.2	23.3	14.2	18.6	37.4	44.0	24.7	30.3	13.7	26.7	15.5	26.7
89.8	91.4	79.7	85.8	87.8	85.9	88.8	82.9	93.6	91.4	83.0	86.0	88.0	86.2	92.5		90.2
6.9	6.6	20.3	11.3	8.1	9.6	8.7	14.3	5.5	4.7	15.6	9.8	9.1	10.8	4.8		7.0
3.4	2.0	.0	2.9	4.1	4.4	2.5	2.8	.9	3.9	1.4	4.2	2.9	3.1	2.7		2.9
53.3	54.0	57.6	56.3	56.1	49.6	55.0	54.7	51.8	55.8	56.9	49.8	55.4	48.2	50.9		52.5
42.6	43.4	31.1	40.1	38.2	43.7	41.6	41.5	35.5	40.1	38.7	45.6	40.5	49.2	45.1		43.3
4.1	2.7	1.4	3.6	5.7	6.7	3.4	3.6	2.7	4.1	4.4	4.7	4.1	2.6	4.1		4.1
29.4	29.6	28.6	32.9	31.2	31.2	30.3	29.8	32.6	32.0	32.5	32.4	32.4	36.1	37.6		34.9
36.3	61.6	73.0	49.5	57.7	33.3	56.6	53.5	68.6	76.3	68.5	45.6	46.1	39.0	44.7		53.0
56.7	76.4	75.7	84.5	84.6	91.9	80.2	70.7	92.3	87.5	89.5	83.8	87.8	96.9	96.3		92.6
7.1	7.1	6.9	8.9	9.6	8.4	7.8	7.3	7.8	9.5	9.4	9.5	9.5	12.9	13.4		11.2
5.5	5.6	5.2	6.4	6.1	5.3	5.7	5.6	6.9	6.5	6.5	6.2	6.5	6.0	6.2		6.3
49.0	14.7	5.4	10.7	10.6	5.2	12.1	26.6	4.5	2.1	4.0	5.9	4.0	4.6	3.6		3.8
27.8	6.7	.0	5.8	5.7	2.2	5.7	13.6	2.3	.4	2.1	.2	1.5	1.5	.7		1.1
15.5	2.7	5.4	3.2	1.6	1.5	2.7	8.7	1.8	.2	.9	1.0	.8	.5	1.1		1.0
1.6	2.3	.0	.3	.0	.0	1.3	1.5	.0	.2	.2	.2	.2	1.5	.3		.3
4.1	3.0	.0	1.3	3.3	1.5	2.4	2.8	.5	1.8	.7	2.5	1.5	1.0	1.4		1.4
41.0	80.4	90.5	83.8	80.5	85.9	82.2	66.1	87.3	84.9	85.1	82.1	84.6	90.3	89.1		87.2
29.1	47.4	67.6	73.8	60.2	68.1	57.2	45.2	72.3	74.0	73.2	70.8	72.7	74.4	70.2		71.4
2.5	3.5	4.1	1.3	.8	1.5	2.7	4.2	3.6	2.7	2.8	3.2	3.0	2.6	1.6		2.2
3.4	13.1	14.9	2.9	7.3	5.2	9.8	6.7	1.4	1.4	1.4	1.2	1.0	3.1	6.9		4.2
2.0	10.7	2.7	2.3	3.3	5.2	7.3	4.6	1.4	.8	.0	1.7	.9	4.1	3.5		2.4
4.1	5.6	1.4	3.6	8.9	5.9	5.2	5.4	8.2	7.0	7.7	5.1	7.0	6.2	7.0		6.9
10.0	4.9	4.1	5.5	8.9	8.9	5.7	7.4	9.2	12.7	11.0	12.0	11.4	5.1	7.3		9.0
36.0	10.7	2.7	7.1	8.1	1.5	8.4	18.8	.5	1.4	1.6	2.7	1.7	2.1	2.2		1.9
13.0	3.9	2.7	3.6	2.4	3.7	3.6	7.8	4.1	1.0	2.3	3.2	2.4	2.6	1.4		1.9
25.7	54.2	75.7	64.4	58.5	60.7	58.5	44.6	55.0	61.3	47.1	57.6	52.3	68.2	61.2		57.7
15.3	24.2	14.9	19.4	22.0	25.2	23.7	21.4	37.3	33.7	38.0	24.5	32.3	22.1	27.9		29.4
26.6	12.1	39.3	15.6	12.5	6.1	14.2	19.7	3.3	2.7	3.5	6.0	3.9	7.5	7.2		6.0
57.7	41.7	55.4	80.9	75.9	75.6	58.1	57.5	85.1	88.5	88.6	84.3	86.8	69.2	54.9		68.1
3.6	4.4	1.8	.0	5.6	8.5	3.7	3.3	2.5	1.9	.5	2.1	1.7	8.3	8.4		11.4
5.0	35.7	.0	.5	2.8	2.4	18.9	14.3	.8	.8	.5	1.7	1.0	8.3	12.7		7.9
.9	1.2	.0	.5	2.8	3.7	1.3	1.1	4.1	2.3	2.5	2.6	2.7	1.5	.8		1.6
6.3	4.9	3.6	2.5	1.4	3.7	3.8	4.1	4.1	3.8	4.5	3.4	3.9	5.3	5.8		5.0
34.7	33.6	37.5	55.8	43.1	31.7	39.7	37.9	37.2	31.3	30.7	31.9	32.2	30.1	17.9		24.1
11.7	14.9	14.3	7.0	4.2	11.0	11.7	11.8	4.1	2.3	2.5	4.3	3.2	7.5	10.6		7.6
6.8	5.4	8.9	3.5	8.3	4.9	5.4	5.2	5.0	6.5	5.0	5.1	5.5	10.5	10.1		8.4
3.6	10.3	5.4	2.5	4.2	4.9	7.0	5.7	4.1	2.7	.5	5.5	3.2	9.0	9.6		7.1
.5	1.4	.0	.0	.0	.0	.7	.7	.0	2.7	2.0	5.1	2.8	.0	1.6		2.0
36.5	29.1	30.4	28.6	37.5	43.9	31.3	34.4	45.5	50.8	55.0	44.7	49.3	37.6	44.2		45.7
6.3	5.4	3.6	2.5	2.8	3.7	4.2	4.4	4.1	3.8	4.5	3.4	3.9	5.3	5.9		5.1
4.5	9.1	16.1	8.5	5.6	7.3	8.9	8.0	13.2	13.7	6.9	8.9	11.1	4.5	6.1		8.0
18.5	23.8	17.9	23.1	22.2	11.0	21.8	21.6	20.7	21.8	22.8	21.3	21.7	13.8	16.8		18.7
11.7	15.9	8.9	17.1	11.1	18.3	15.5	14.2	9.1	14.5	11.4	16.2	13.4	14.3	17.1		15.5
6.3	5.6	8.9	6.0	4.2	9.8	6.2	6.3	5.8	6.9	9.4	8.5	7.8	11.3	5.8		7.0
19.4	13.8	7.1	12.6	25.0	18.3	14.4	15.2	21.5	12.2	12.9	14.9	14.5	15.8	17.0		16.0
5.9	3.0	3.6	4.0	2.8	.0	3.0	3.4	5.0	5.7	3.5	3.0	4.3	6.8	6.7		5.7
5.9	4.7	1.8	5.0	2.8	4.9	4.4	5.0	5.0	4.2	6.9	5.5	5.4	7.5	9.3		7.7
4.5	3.5	3.6	2.5	2.8	4.9	3.3	3.5	3.3	3.4	4.0	3.4	3.5	3.8	5.5		4.6
14.4	14.7	17.9	11.6	12.5	19.5	14.4	14.3	10.7	10.3	11.4	8.9	10.2	9.8	9.1		9.6
6.8	2.8	8.9	9.0	9.7	6.1	5.6	6.2	3.3	5.0	5.0	7.2	5.4	8.3	4.6		5.1
2.3	3.3	5.4	.5	1.4	.0	2.3	2.4	2.5	2.3	4.0	2.1	2.7	2.3	1.9		2.2

*Statistics are not presented because too few records contained the specified data.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 2A
STATISTICAL PROFILE OF FY 1973 DOCTORATE RECIPIENTS, BY FIELD OF DOCTORATE 1/

TOTAL ALL DOCTORATES

	FY 1973 TOTAL	PHYSICS AND ASTRONOMY	CHEMISTRY	EARTH SCIENCES	PHYSICAL SCIENCES	MATHEMATICS	ENGINEERING	ENG FIELDS	BASIC MEDICAL SCIENCES	OTHER BIOSCIENCES	BIOSCIENCES	MEDICAL SCIENCES	AGRICULTURAL SCIENCES	ENVIRONMENTAL SCIENCES
NUMBER IN FIELD	33727	1590	1849	577	4016	1222	3338	8576	1850	1529	3379	573	1031	85
DEFINITE POSTDOCTORAL STUDY	11.4	33.6	31.8	15.9	33.0	6.8	8.9	19.9	52.1	21.9	38.4	24.6	10.2	5.9
SEEKING POSTDOCTORAL STUDY	4.2	11.3	11.6	8.5	11.4	2.5	5.2	7.6	10.1	9.4	9.7	4.9	6.6	5.9
DEFINITE EMPLOYMENT	59.3	32.5	32.4	58.4	25.7	59.6	50.8	48.5	23.9	44.4	33.2	46.9	59.9	61.2
SEEKING EMPLOYMENT	18.9	14.3	12.0	10.4	13.4	24.9	21.7	18.2	8.9	17.7	12.9	15.0	19.2	21.2
EMPLOYMENT ACTIVITY AFTER DOCTORATE %														
PRIMARY ACTIVITY														
R & D	21.1	58.4	54.7	47.7	52.8	26.9	61.1	52.6	41.6	30.3	34.8	37.5	52.1	32.7
TEACHING	52.9	30.4	31.0	38.3	32.4	64.1	21.6	32.8	43.7	54.2	50.0	35.7	23.0	28.8
ADMINISTRATION	11.0	3.7	2.5	1.9	2.8	1.2	3.4	2.8	2.9	2.8	2.9	7.4	2.6	13.5
PROF. SERVICES	8.3	2.7	3.5	7.3	4.0	3.3	5.9	4.8	7.3	4.7	5.8	10.4	8.9	7.7
OTHER	1.7	1.5	2.0	4.7	2.4	.8	2.9	2.4	1.4	2.7	2.1	3.0	5.0	9.6
ACTIVITY UNKNOWN	5.0	3.3	5.3	5.1	4.5	3.6	5.1	4.6	3.6	5.3	4.6	5.9	8.4	7.7
SECONDARY ACTIVITY														
R & D	25.9	12.4	14.7	29.1	18.5	43.3	17.3	27.3	29.9	33.6	32.1	29.4	16.5	25.9
TEACHING	7.9	5.2	3.0	9.5	5.2	10.4	6.5	6.8	16.5	9.1	12.0	15.2	12.1	13.5
ADMINISTRATION	7.5	6.6	7.8	7.6	7.3	3.0	9.1	7.4	7.7	7.5	7.6	8.2	7.6	13.5
PROF. SERVICES	6.2	4.6	3.7	7.9	5.0	4.7	5.7	5.3	3.6	5.1	5.2	4.5	7.4	5.8
OTHER	1.1	.4	.5	.3	.4	.5	1.1	.7	.7	.4	.5	1.1	.8	.0
NO SECONDARY ACTIVITY	46.5	63.4	65.0	46.5	59.0	34.5	55.2	52.9	38.0	38.1	38.1	35.7	46.6	34.6
UNKNOWN	5.0	3.3	5.3	5.1	4.5	3.6		4.6	3.6	5.3	4.6	5.9	8.4	7.7
REGION OF EMPLOYMENT AFTER DOCTORATE %														
NEW ENGLAND	6.1	6.6	5.8	5.4	6.0	7.3	7.2	6.8	3.8	3.8	3.8	4.8	2.9	3.8
MIDDLE ATLANTIC	15.7	16.1	21.8	12.7	17.7	15.8	17.5	17.3	14.0	13.7	13.8	15.2	6.0	17.3
EAST NO CENTRAL	16.3	9.1	18.8	8.2	13.0	17.2	13.9	14.2	17.0	11.6	13.7	16.4	10.8	19.2
WEST NO CENTRAL	6.6	4.1	6.0	1.9	4.4	5.6	4.1	4.5	7.0	6.2	6.5	8.2	8.7	5.8
SOUTH ATLANTIC	15.7	18.4	17.3	18.4	17.9	13.6	13.5	15.1	18.6	18.9	18.7	15.2	15.0	21.2
EAST SO CENTRAL	4.9	4.6	2.7	1.9	3.2	4.5	3.7	3.7	5.2	6.0	5.7	5.6	5.2	5.8
WEST SO CENTRAL	7.2	5.2	5.0	14.2	7.1	5.6	6.9	6.7	8.6	7.4	7.9	5.6	8.1	3.8
MOUNTAIN	5.2	9.5	2.8	10.4	6.9	4.5	6.2	6.2	1.1	4.9	3.4	2.2	4.2	7.7
PACIFIC & INSULAR	11.4	16.4	7.7	13.3	12.1	12.4	13.3	12.7	13.6	13.7	13.6	12.6	7.1	13.5
FOREIGN	8.7	7.2	8.2	11.4	8.5	11.4	11.1	10.3	8.4	12.5	10.9	13.4	29.8	.0
REGION UNKNOWN	2.2	2.9	3.8	2.2	3.1	2.1	2.6	2.7	2.7	1.3	1.9	.7	2.1	1.9

WOMEN DOCTORATES

NUMBER IN FIELD	6082	56	179	22	257	119	45	421	398	321	719	108	37	7 2/
DEFINITE POSTDOCTORAL STUDY	9.2	33.9	25.1	22.7	26.8	9.2	13.3	20.4	51.3	24.9	39.5	26.9	13.5	
SEEKING POSTDOCTORAL STUDY	4.5	17.9	17.3	9.1	16.7	2.5	8.9	11.9	13.1	11.8	12.5	2.8	8.1	
DEFINITE EMPLOYMENT	52.7	23.2	25.7	40.9	28.5	56.3	51.1	37.5	19.3	33.0	25.5	38.0	45.9	
SEEKING EMPLOYMENT	25.9	12.5	23.5	22.7	21.0	28.6	22.2	23.3	11.3	23.1	16.6	21.3	27.0	
EMPLOYMENT ACTIVITY AFTER DOCTORATE %														
PRIMARY ACTIVITY														
R & D	12.1	30.8	34.8	33.3	32.8	26.9	56.5	34.2	29.9	33.0	31.7	29.3	41.2	
TEACHING	63.7	38.5	58.7	55.6	54.4	67.2	34.8	57.0	57.1	54.6	56.8	51.2	47.1	
ADMINISTRATION	7.6	.0	.0	.0	.0	.0	.0	.0	2.6	.0	1.1	9.8	5.9	
PROF. SERVICES	10.3	7.7	4.3	11.1	5.9	4.5	.0	4.4	3.9	1.9	2.7	2.4	.0	
OTHER	1.6	7.7	2.2	.0	2.9	.0	4.3	1.9	.0	.9	.5	4.9	.0	
ACTIVITY UNKNOWN	4.8	15.4	.0	.0	2.9	1.5	4.3	2.5	6.5	7.5	7.1	2.4	5.9	
SECONDARY ACTIVITY														
R & D	26.3	7.7	21.7	55.6	23.5	44.8	26.1	32.9	33.8	32.1	32.8	34.1	17.6	
TEACHING	7.6	.0	2.2	22.2	4.4	13.4	17.4	10.1	11.7	9.4	10.4	12.2	5.9	
ADMINISTRATION	6.6	7.7	2.2	11.1	4.4	3.0	4.3	3.8	5.2	4.7	4.9	2.4	17.6	
PROF. SERVICES	6.5	7.7	4.3	11.1	5.9	4.5	4.3	5.1	2.6	4.7	3.8	7.3	.0	
OTHER	1.7	.0	2.2	.0	1.5	.0	.0	.6	.0	.0	.0	.0	.0	
NO SECONDARY ACTIVITY	46.5	61.5	67.4	.0	57.4	32.8	43.5	44.9	40.3	41.5	41.0	41.5	52.9	
UNKNOWN	4.8	15.4	.0	.0	2.9	1.5	4.3	2.5	6.5	7.5	7.1	2.4	5.9	
REGION OF EMPLOYMENT AFTER DOCTORATE %														
NEW ENGLAND	7.5	7.7	8.7	22.2	10.3	4.5	4.3	7.0	5.2	3.8	4.4	4.9	.0	
MIDDLE ATLANTIC	18.4	15.4	26.1	11.1	22.1	20.9	26.1	22.2	18.2	9.4	13.1	31.7	11.8	
EAST NO CENTRAL	17.5	30.8	21.7	22.2	23.5	11.9	21.7	18.4	18.2	17.0	17.5	14.6	23.5	
WEST NO CENTRAL	6.3	.0	6.5	.0	4.4	4.5	4.3	4.4	9.1	8.5	8.7	2.4	5.9	
SOUTH ATLANTIC	14.8	7.7	8.7	11.1	8.8	16.4	4.3	11.4	10.4	17.0	14.2	14.6	5.9	
EAST SO CENTRAL	3.8	15.4	4.3	.0	5.9	4.5	4.3	5.1	2.6	2.8	2.7	2.4	5.9	
WEST SO CENTRAL	7.8	.0	2.2	22.2	4.4	4.5	.0	3.8	14.3	5.7	9.3	.0	5.9	
MOUNTAIN	4.3	7.7	6.5	.0	5.9	3.0	.0	3.8	2.6	3.8	3.3	.0	5.9	
PACIFIC & INSULAR	11.3	7.7	2.2	11.1	4.4	22.4	13.0	13.3	14.3	17.0	15.6	19.5	5.9	
FOREIGN	5.4	7.7	8.7	.0	7.4	6.0	17.4	8.2	2.6	13.2	8.7	9.8	29.4	
REGION UNKNOWN	3.0	.0	4.3	.0	2.9	1.5	4.3	2.5	2.6	1.9	2.2	.0	.0	

1/ Refer to explanatory note on page 11, and the description of doctoral field groupings on page 27.
2/ Statistics are not presented because too few records contained the specific [illegible]

TABLE 2A CONTINUED

TOTAL ALL DOCTORATES

LIFE SCIENCES	PSYCHOLOGY	ECONOMICS	ANTHROPOLOGY & SOCIOLOGY	POLIT SCI, PUBLIC ADMIN, INTERN'L REL	OTHER SOCIAL SCIENCES	SOCIAL SCIENCES INCL. PSYCHOL.	TOTAL SCIENCES	HISTORY	ENG AND AMER LANG & LIT	FOREIGN LANG & LIT	OTHER ARTS & HUMANITIES	ARTS & HUMANITIES	PROFESSIONAL FIELDS	EDUCATION	OTHER OR UNSPECIFIED	TOTAL NON-SCIENCES
5063	2444	938	923	906	700	5911	19[illegible]	1213	1412	1003	173[illegible]	5364	1461	7248	99 [1/]	14172
30.6	9.4	3.5	4.6	3.3	1.9	5.9	18.[illegible]	2.7	1.9	3.4	2.3	2.5	1.4	1.4		1.8
8.5	3.0	.9	2.1	2.2	.6	2.1	6.2	3.0	1.6	3.0	1.8	2.2	.6	1.0		1.4
60.6	61.7	78.7	73.1	69.5	75.9	69.1	52.7	60.4	63.6	61.9	65.4	63.1	80.6	70.5		68.5
14.6	20.3	11.7	14.5	17.0	16.9	17.1	16.9	26.6	25.8	22.9	21.5	24.1	10.9	22.4		21.7
40.1	15.3	25.[illegible]	16.9	11.4	13.9	16.7	35.9	4.9	1.1	2.[illegible]	3.2	3.0	7.9	6.3		5.4
39.5	38.1	61.[illegible]	74.8	68.9	70.2	57.4	43.9	82.0	92.1	88.[illegible]	83.4	86.3	67.1	45.8		62.5
3.6	5.2	3.4	2.7	7.8	4.0	5.0	3.8	4.5	1.4	1.[illegible]	3.8	3.0	9.7	31.0		18.6
7.4	36.6	3.4	1.8	2.1	4.0	15.3	9.5	1.9	.3	[illegible]	2.6	1.6	8.5	10.5		7.2
3.3	1.0	[illegible]	.6	2.7	1.5	1.3	2.1	1.2	.9	.[illegible]	2.5	1.4	1.3	1.1		1.2
6.0	3.7	4.7	3.3	7.1	4.3	4.4	4.8	5.5	4.1	5.[illegible]	4.5	4.8	5.5	5.3		5.1
26.9	34.5	37.5	46.7	39.4	36.2	36.0	29.4	31.9	30.3	29.0	27.7	29.7	30.0	15.3		22.1
12.5	13.2	6.[illegible]	9.0	4.8	5.8	9.1	8.8	3.0	1.3	2.[illegible]	3.8	2.7	7.6	9.[illegible]		6.9
7.8	7.3	6.2	4.0	6.5	6.[illegible]	6.3	7.1	4.9	4.3	4.[illegible]	5.8	4.9	8.0	9.9		7.[illegible]
5.8	9.3	[illegible].1	2.1	2.7	4.1	5.3	5.4	1.9	2.7	1.3	4.7	2.9	9.6	9.0		7.0
.7	.9	.5	.4	.8	1.5	.8	.8	.5	1.9	1.3	4.1	2.2	1.3	1.2		1.5
53.2	31.1	41.1	34.5	38.7	41.8	36.0	43.7	52.3	55.3	56.0	49.5	52.8	38.0	49.8		49.5
6.0	3.6	4.[illegible]	3.3	7.1	4.3	4.4	4.8	5.5	4.1	5.3	4.5	4.8	5.5	5.3		5.1
3.7	7.3	7.2	7.0	7.8	4.5	6.9	6.2	7.4	9.4	9.3	8.6	8.0	4.6	5.0		6.0
11.7	21.1	14.9	15.1	15.4	14.3	17.2	16.1	18.3	18.6	17.7	17.4	18.0	11.7	14.3		15.2
13.3	17.1	12.5	16.3	15.2	17.9	15.9	14.7	16.6	17.3	20.9	16.8	17.7	16.2	18.6		18.0
7.4	6.3	5.0	6.5	4.3	6.4	5.8	5.6	7.6	6.3	7.2	7.9	7.3	6.0	8.4		7.7
17.2	14.3	20.7	14.7	21.4	13.6	16.5	16.1	15.4	14.3	15.0	13.7	14.4	18.6	15.3		15.4
5.5	4.8	3.9	1.5	4.6	3.8	3.9	4.2	3.3	5.5	2.9	4.1	4.5	5.9	6.5		5.7
7.5	6.1	5.6	4.9	5.1	8.5	6.0	6.6	7.2	7.6	6.9	6.9	7.1	10.0	7.8		7.8
3.6	4.6	3.5	5.9	3.5	4.3	4.4	5.0	3.7	4.6	4.3	4.0	4.1	5.7	6.3		5.5
11.6	12.5	8.3	15.1	8.9	13.9	11.8	12.1	9.8	9.2	8.7	12.5	10.4	10.0	11.0		10.7
16.6	3.1	16.9	11.9	11.1	11.7	9.4	11.2	7.1	5.3	5.3	8.3	5.7	9.4	4.6		6.0
1.8	2.8	1.5	1.2	2.7	1.1	2.1	2.3	1.5	2.0	1.6	1.9	1.8	1.9	2.3		2.1

WOMEN DOCTORATES

871	716	57	250	118	102	1243	2535	179	517	417	434	1947	200	1784	16	3547
36.6	10.3	.0	3.2	3.4	2.0	7.1	19.4	4.5	1.4	2.6	1.6	2.1	2.5	1.6		1.9
11.4	3.6	.0	3.6	.8	1.0	3.0	7.3	5.6	2.5	3.8	3.0	3.4	1.0	1.7		2.4
28.0	53.5	82.5	61.6	63.6	62.7	58.2	44.4	53.6	54.9	50.6	55.8	53.8	68.5	62.2		58.7
17.5	26.0	14.0	23.6	23.7	26.5	24.8	22.0	29.6	33.3	32.6	27.2	31.0	20.5	27.7		28.6
32.4	14.4	29.8	17.5	18.7	23.4	17.3	22.9	6.3	1.4	5.[illegible]	6.2	4.3	10.2	7.3		6.3
54.5	36.6	55.3	75.3	68.0	70.3	52.3	53.4	81.3	91.2	87.7	82.2	86.6	65.7	56.5		69.2
2.9	3.9	2.1	2.6	2.7	3.1	3.3	2.8	4.2	1.4	.9	2.5	1.9	8.8	16.6		10.2
2.9	40.2	4.3	.0	4.0	.0	22.0	15.4	.0	.[illegible]	1.9	1.2	1.0	8.8	12.3		7.5
1.2	[illegible]	.0	.6	5.3	3.1	1.5	1.5	2.1	1.1	.5	3.7	1.8	.0	1.6		1.6
6.1	3.9	8.5	3.9	1.3	.0	3.6	4.0	6.3	4.6	3.8	4.1	4.4	6.6	5.7		5.2
31.6	33.2	23.4	51.3	40.0	39.1	37.6	35.6	33.3	28.5	22.7	29.3	27.9	24.8	15.9		21.3
10.7	14.9	12.8	9.7	4.0	4.7	11.6	11.2	1.0	1.4	1.9	4.1	2.3	6.6	8.0		5.6
5.7	5.7	2.1	4.5	6.7	1.6	5.0	5.0	3.1	3.9	4.7	5.4	4.4	5.8	9.9		7.4
4.1	8.9	2.1	2.6	4.0	.0	5.8	5.3	2.1	1.4	.9	3.7	2.0	14.6	10.1		7.2
.0	1.6	.0	.6	.0	3.1	1.0	.7	1.0	2.5	2.8	5.4	3.2	1.5	1.6		2.3
41.8	32.4	51.1	27.3	44.0	51.6	35.4	38.1	53.1	57.7	63.[illegible]	47.9	55.7	40.1	48.8		51.0
6.1	3.9	8.5	3.9	1.3	.0	3.6	4.0	6.3	4.6	[illegible]	4.1	4.4	6.6	5.7		5.2
4.1	10.4	8.5	10.4	9.3	9.4	10.1	8.4	11.5	9.2	11.8	7.9	9.7	5.1	5.1		7.0
16.4	27.2	21.3	12.3	21.3	17.2	22.1	20.9	21.9	20.4	20.4	17.4	19.7	16.8	15.1		17.0
17.2	13.6	12.8	10.4	10.7	17.2	12.9	14.6	11.5	22.5	19.9	22.3	20.5	15.3	18.2		19.0
7.4	6.5	6.4	7.1	6.7	4.7	6.5	6.4	5.2	6.0	7.1	6.2	6.2	3.6	6.5		6.2
13.9	[illegible].1	23.4	14.3	20.0	12.5	14.7	14.0	12.5	12.7	16.1	13.6	13.8	18.2	15.9		15.2
2.9	2.9	6.4	2.6	2.7	1.6	2.9	3.2	4.2	2.1	1.9	2.9	2.5	2.9	5.6		4.2
7.4	4.4	6.4	5.8	2.7	10.9	5.3	5.5	7.3	6.7	5.7	6.6	6.5	11.7	10.6		9.0
2.9	3.4	2.1	7.8	1.3	4.7	4.1	3.8	2.1	4.6	2.8	3.3	3.5	5.8	5.3		4.6
16.0	13.1	4.3	15.6	8.0	14.1	12.6	13.4	13.5	8.1	7.1	11.6	9.5	10.2	10.6		10.1
10.2	3.4	6.4	11.7	10.7	7.8	6.5	7.6	6.3	3.9	4.7	5.0	4.7	7.3	3.6		4.3
1.6	2.1	2.1	1.9	6.7	.0	2.4	2.2	4.2	3.9	2.4	3.3	3.4	2.9	3.5		3.4

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 3
PERCENTAGE OF FY 1974 DOCTORATE RECIPIENTS, BY SOURCES OF SUPPORT IN GRADUATE SCHOOL, BY SUMMARY FIELDS [1/] [2/]

SOURCES OF SUPPORT IN GRADUATE SCHOOL		DOCTORATE RECIPIENTS BY FIELD: PHYSICAL [3/] SCIENCES	ENGINEERING	LIFE SCIENCES	SOCIAL SCIENCES	ARTS AND HUMANITIES	PROF. FIELDS	EDUCATION	TOTAL
		MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN
NSF FELLOWSHIP	N	449/ 33	189/ 2	198/ 62	192/ 57	22/ 10	5/ 1	250/ 41	1305/ 206
	V%	10.5/ 9.2	6.5/ 6.3	5.2/ 7.8	4.4/ 4.3	.7/ .7	.5/ .5	5.0/ 2.3	5.3/ 3.5
	H%	34.4/16.0	14.5/ 1.0	15.2/30.1	14.7/27.7	1.7/ 4.9	.4/ .5	19.2/19.9	100.1/100.1
NSF TRAINEESHIP	N	512/ 61	272/ 1	219/ 63	194/ 55	12/ 7	6/ 0	26/ 4	1241/ 191
	V%	12.0/17.0	9.3/ 3.1	5.8/ 7.9	4.4/ 4.1	.4/ .5	.5/ .0	.5/ .2	9.0/ 8.2
	H%	41.3/31.9	21.9/ .5	17.6/33.0	15.6/28.8	1.0/ 3.7	.5/ .0	2.1/ 2.1	100.0/100.0
NIH FELLOWSHIP	N	67/ 7	24/ 2	255/ 72	276/ 163	4/ 2	22/ 6	15/ 18	663/ 270
	V%	1.6/ 1.9	.8/ 6.3	6.7/ 9.1	6.3/12.2	.1/ .1	2.0/ 3.3	.3/ 1.0	2.7/ 4.6
	H%	10.1/ 2.6	3.6/ .7	38.5/26.7	41.6/60.4	.6/ .7	3.3/ 2.2	2.3/ 6.7	100.0/100.0
NIH TRAINEESHIP	N	77/ 5	43/ 1	729/ 253	337/ 156	6/ 2	24/ 9	17/ 15	1233/ 441
	V%	1.8/ 1.4	1.1/ 3.1	19.2/31.9	7.7/11.7	.2/ .1	2.2/ 4.9	.3/ .9	5.0/ 7.5
	H%	6.2/ 1.1	3.5/ .2	59.1/57.4	27.3/35.4	.5/ .5	1.9/ 2.0	1.4/ 3.4	99.9/100.0
NDEA FELLOWSHIP	N	393/ 34	206/ 3	283/ 80	567/ 151	764/ 290	114/ 9	462/ 140	2789/ 707
	V%	9.2/ 9.5	7.1/ 9.4	7.5/10.1	12.9/11.3	23.0/20.2	10.3/ 4.9	9.3/ 6.0	11.3/ 12.0
	H%	14.1/ 4.8	7.4/ .4	10.1/11.3	20.3/21.4	27.4/41.0	4.1/ 1.3	16.6/19.8	100.0/100.0
OTHER HEW	N	19/ 1	23/ 2	115/ 38	228/ 120	37/ 15	66/ 26	245/ 124	733/ 326
	V%	.4/ .3	.8/ 6.3	3.0/ 4.8	5.2/ 9.0	1.1/ 1.0	6.0/14.2	4.9/ 7.1	3.0/ 5.6
	H%	2.6/ .3	3.1/ .6	15.7/11.7	31.1/36.8	5.0/ 4.6	9.0/ 8.0	33.4/38.0	99.9/100.0
AEC FELLOWSHIP	N	51/ 4	63/ 1	34/ 5	1/ 1	1/ 0	0/ 0	7/ 0	157/ 11
	V%	1.2/ 1.1	2.2/ 3.1	.9/ .6	.0/ .1	.0/ .0	.0/ .0	.1/ .0	.6/ .2
	H%	32.5/36.4	40.1/ 9.1	21.7/45.5	.6/ 9.1	.6/ .0	.0/ .0	4.5/ .0	100.0/100.1
NASA TRAINEESHIP	N	141/ 11	101/ 3	47/ 6	18/ 2	4/ 0	7/ 0	6/ 0	324/ 22
	V%	3.3/ 3.1	3.5/ 9.4	1.2/ .8	.4/ .1	.1/ .3	.4/ .0	.1/ .0	1.3/ .4
	H%	43.5/50.0	31.2/13.6	14.5/27.3	5.6/ 9.1	1.2/ .0	2.2/ .0	1.9/ .0	100.1/100.0
GI BILL	N	344/ 1	195/ 0	423/ 4	581/ 4	421/ 2	203/ 0	1097/ 11	3263/ 22
	V%	8.1/ .3	6.7/ .0	11.1/ .5	13.3/ .3	12.7/ .1	23.3/ .0	27.0/ .6	13.2/ .4
	H%	10.5/ 4.5	6.0/ .0	13.0/18.2	17.8/18.2	12.9/ 9.1	6.2/ .0	33.6/50.0	100.0/100.0
OTHER FEDERAL SUPPORT	N	207/ 10	246/ 1	286/ 33	437/ 124	153/ 57	85/ 21	327/ 119	1741/ 365
	V%	4.8/ 2.8	8.4/ 3.1	7.5/ 4.2	10.0/ 9.3	4.7/ 4.0	7.7/11.5	6.6/ 6.8	7.0/ 6.2
	H%	11.9/ 2.7	14.1/ .3	16.4/ 9.0	25.1/34.0	8.8/15.6	4.9/ 5.8	18.8/32.6	100.0/100.0
WOODROW WILSON FELLOWSHIP	N	21/ 5	2/ 0	2/ 1	98/ 35	2[illegible]/ 104	3/ 3	5/ 3	336/ [illegible]51
	V%	.5/ 1.3	.1/ .0	.1/ .1	2.2/ 2.6	[illegible]	.3/ 1.6	.1/ .2	1.4/ [illegible].6
	H%	6.3/ 3.3	.6/ .0	.6/ .7	29.2/23.2	31.0/[illegible]	.9/ 2.0	1.5/ 2.0	100.1/100[illegible]
OTHER NATIONAL FELLOWSHIP	N	65/ 11	53/ 1	84/ 23	212/ 81	207/ 117	38/ 13	165/ 60	824/ 309
	V%	1.5/ 3.1	1.8/ 3.1	2.2/ 2.9	4.8/ 6.1	6.2/ 8.1	3.4/ 7.1	3.3/ 3.4	3.3/ 5.2
	H%	7.9/ 3.6	6.4/ .3	10.2/ 7.5	25.7/26.5	25.1/38.2	4.6/ 4.2	20.0/19.6	99.9/ 99.9
UNIVERSITY FELLOWSHIP	N	840/ 90	448/ 7	481/ 153	1004/ 347	1150/ 503	226/ 40	529/ 220	4680/ 1360
	V%	19.7/25.1	15.4/21.9	12.7/19.3	23.0/25.9	34.6/35.0	20.5/21.9	10.6/12.6	18.9/ 23.1
	H%	17.9/ 6.6	9.6/ .5	10.3/11.3	21.5/25.5	24.6/37.0	4.8/ 2.9	11.3/16.2	100.0/100.0
TEACHING ASSISTANTSHIP	N	3040/ 264	1187/ 13	1488/ 343	2371/ 625	2107/ 866	527/ 64	1610/ 611	12326/ 2786
	V%	71.2/73.5	40.7/40.6	39.2/43.2	54.1/46.7	63.6/60.2	47.7/35.0	32.3/34.9	49.8/ 47.3
	H%	24.7/ 9.5	9.6/ .5	12.1/12.3	19.2/22.4	17.1/31.1	4.3/ 2.3	13.1/21.9	100.1/100.0
RESEARCH ASSISTANTSHIP	N	2460/ 188	1761/ 20	1726/ 265	1544/ 436	403/ 171	276/ 43	903/ 298	9079/ 1421
	V%	57.6/52.4	60.4/62.5	45.5/33.4	35.3/32.6	12.3/11.9	25.0/23.5	18.1/17.0	36.7/ 24.1
	H%	27.1/13.2	19.4/ [illegible]	19.0/18.6	17.0/30.7	4.5/12.0	3.0/ 3.0	9.9/21.0	99.9/ 99.9
EDUC. FUNDS OF INDUSTRY	N	235/ 16	341/ 4	75/ 11	90/ 20	44/ 23	96/ 4	98/ 30	979/ 108
	V%	5.5/ 4.5	11.7/12.5	2.0/ 1.4	2.1/ 1.5	1.3/ 1.6	8.7/ 2.2	2.0/ 1.7	4.0/ 1.8
	H%	24.0/14.8	34.8/ 3.7	7.7/10.2	9.2/18.5	4.5/21.3	9.8/ 3.7	10.0/27.8	100.0/100.0
OTHER INSTITUTION FUNDS	N	206/ 22	164/ 4	272/ 49	479/ 199	404/ 177	116/ 28	522/ 222	2163/ 701
	V%	4.8/ 6.1	5.6/12.5	7.2/ 6.2	10.9/14.9	12.2/12.3	10.5/15.3	10.5/12.7	8.7/ 11.9
	H%	9.5/ 3.1	7.6/ .6	12.6/ 7.0	22.1/28.4	18.7/25.2	5.4/ 4.0	24.1/31.7	100.0/100.0
OWN EARNINGS	N	801/ 57	798/ 6	915/ 175	1873/ 573	1572/ 616	619/ 89	3100/1013	9678/ 2529
	V%	18.8/15.9	27.4/18.8	24.1/22.0	42.8/42.8	47.4/42.8	56.0/48.6	62.3/57.9	39.1/ 42.9
	H%	8.3/ 2.3	8.2/ .2	9.5/ 6.9	19.4/22.7	16.2/24.4	6.4/ 3.5	32.0/40.1	100.0/100.1
SPOUSE'S EARNINGS	N	514/ 49	334/ 5	657/ 113	1041/ 282	979/ 355	318/ 43	1105/ 385	4948/ 1232
	V%	12.0/13.6	11.5/15.6	17.3/14.2	23.8/21.1	29.5/24.7	28.8/23.5	22.2/22.0	20.0/ 20.9
	H%	10.4/ 4.0	6.8/ .4	13.3/ 9.2	21.0/22.9	19.8/28.8	6.4/ 3.5	22.3/31.3	100.0/100.1
FAMILY CONTRIBUTIONS	N	168/ 17	116/ 1	205/ 36	412/ 117	419/ 190	68/ 17	244/ 117	1632/ 495
	V%	3.9/ 4.7	4.0/ 3.1	5.4/ 4.5	9.4/ 8.7	12.6/13.2	6.2/ 9.3	4.9/ 6.7	6.6/ 8.4
	H%	10.3/ 3.4	7.1/ [illegible]	12.6/ 7.3	25.2/23.6	25.7/38.4	4.2/ 3.4	15.0/23.6	100.1/ 99.9
BORROWINGS	N	268/ 9	185/ 0	325/ 41	748/ 174	714/ 213	192/ 16	876/ 250	3308/ 703
	V%	6.3/ 2.5	6.3/ .0	8.6/ 5.1	17.1/13.0	21.5/14.8	17.4/ 8.7	17.6/14.3	13.4/ 11.9
	H%	8.1/ 1.3	5.6/ .0	9.8/ 5.8	22.6/24.8	21.6/30.3	5.8/ 2.3	26.5/35.6	100.0/100.1
OTHER	N	177/ 15	132/ 2	181/ 28	259/ 78	192/ 104	84/ 11	257/ 93	1282/ 331
	V%	4.1/ 4.2	4.5/ 6.3	4.8/ 3.5	5.9/ 5.8	5.8/ 7.2	7.6/ 6.0	5.2/ 5.3	5.2/ 5.6
	H%	13.8/ 4.5	10.3/ .6	14.1/ 8.5	20.2/23.6	15.0/31.4	6.6/ 3.3	20.0/28.1	100.0/100.0
UNDUPLICATED TOTAL	N	4271/ 359	2916/ 32	3794/ 794	4379/1338	3319/1438	1105/ 183	4977/1750	24761/ 5894 [4/]

1/ Refer to explanatory note on page 11.
2/ See note on page 11 re estimation procedures used for this report.
3/ Includes mathematics.
4/ The 58 individuals shown in Table 1 as having subfield "Other and Unspecified" are omitted from this table.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 4
NUMBER OF FY 1974 DOCTORATE RECIPIENTS, BY STATE AND SUMMARY FIELD [1]

STATE OF DOCTORAL INSTITUTION	NUMBER OF DOCTORATE RECIPIENTS BY FIELD																	
	PHYSICAL [2] SCIENCES		ENGINEERING		LIFE SCIENCES		SOCIAL SCIENCES		ARTS AND HUMANITIES		PROF. FIELDS		EDUCATION		OTHER & UNSPEC.		TOTAL	
	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN
U.S. TOTAL	4517/	375	3110/	34	4031/	803	4724/	1432	3606/	1568	1226/	195	5322/	1939	49/	9	26585/	6415
ALABAMA	27/	1	13/	0	29/	9	17/	8	15/	10	6/	1	97/	38	0/	0	204/	67
ALASKA	3/	0	0/	0	5/	0	0/	0	0/	0	0/	0	0/	0	0/	0	8/	0
ARIZONA	52/	2	36/	0	53/	6	48/	15	19/	8	23/	0	125/	33	3/	0	358/	64
ARKANSAS	19/	3	9/	0	12/	2	10/	2	3/	1	20/	3	35/	0	0/	0	108/	11
CALIFORNIA	550/	42	506/	5	444/	100	541/	154	360/	175	112/	14	358/	144	15/	4	2886/	638
COLORADO	80/	6	65/	0	85/	16	114/	21	46/	16	29/	3	196/	50	0/	0	616/	112
CONNECTICUT	76/	7	30/	1	67/	27	7-/	24	137/	54	9/	2	48/	14	2/	0	441/	129
DELAWARE	23/	3	11/	1	4/	1	3/	0	11/	7	0/	0	1/	3	0/	0	53/	15
D. C.	54/	9	28/	0	28/	26	01/	27	80/	33	48/	4	68/	29	1/	0	408/	128
FLORIDA	98/	4	40/	0	77/	15	21/	27	57/	40	33/	7	167/	72	0/	0	593/	165
GEORGIA	62/	3	50/	0	69/	14	70/	29	47/	20	27/	0	99/	38	0/	0	434/	104
HAWAII	16/	0	5/	0	38/	4	25/	6	9/	1	1/	0	2/	2	0/	0	96/	13
IDAHO	15/	0	6/	0	23/	3	1/	1	2/	2	5/	0	11/	1	2/	1	60/	8
ILLINOIS	281/	27	193/	1	215/	51	340/	95	287/	117	97/	5	295/	102	1/	1	1709/	400
INDIANA	169/	7	113/	2	156/	23	145/	30	137/	67	45/	14	276/	96	1/	1	1042/	240
IOWA	79/	5	58/	0	110/	7	92/	16	59/	15	19/	3	76/	29	0/	0	493/	75
KANSAS	57/	0	28/	0	77/	15	70/	27	42/	12	6/	5	81/	15	0/	0	361/	74
KENTUCKY	25/	0	22/	0	37/	6	21/	3	27/	6	22/	0	22/	16	0/	0	176/	31
LOUISIANA	48/	5	24/	0	68/	12	41/	11	56/	13	38/	5	41/	14	0/	0	316/	60
MAINE	1/	0	2/	0	7/	0	8/	0	5/	0	0/	0	9/	0	0/	0	32/	0
MARYLAND	121/	7	44/	0	88/	24	83/	37	52/	27	5/	3	59/	34	0/	0	452/	132
MASSACHUSETTS	303/	37	188/	4	128/	44	252/	100	223/	126	74/	10	223/	137	2/	0	1393/	458
MICHIGAN	158/	10	129/	4	177/	45	251/	88	157/	58	61/	11	315/	116	0/	0	1248/	332
MINNESOTA	46/	9	49/	2	121/	15	82/	39	49/	21	22/	3	72/	29	0/	0	441/	118
MISSISSIPPI	15/	0	8/	0	32/	2	37/	7	6/	3	13/	2	85/	29	0/	2	198/	43
MISSOURI	83/	5	79/	0	81/	17	90/	29	87/	29	29/	4	121/	23	3/	0	573/	107
MONTANA	17/	0	9/	0	23/	2	16/	3	1/	0	0/	0	29/	3	0/	0	95/	8
NEBRASKA	28/	0	6/	0	52/	5	30/	4	23/	11	11/	0	57/	11	0/	0	207/	31
NEVADA	5/	0	1/	0	1/	0	3/	0	1/	1	0/	0	0/	0	0/	0	10/	1
NEW HAMPSHIRE	26/	2	7/	0	6/	3	15/	0	0/	0	0/	0	0/	0	0/	0	49/	5
NEW JERSEY	116/	10	64/	2	61/	17	83/	29	93/	30	9/	1	49/	26	1/	0	481/	115
NEW MEXICO	29/	1	15/	0	11/	2	16/	7	30/	14	0/	0	56/	23	0/	0	157/	47
NEW YORK	501/	45	309/	5	345/	112	581/	258	451/	260	115/	28	437/	213	8/	0	2767/	921
NORTH CAROLINA	94/	16	67/	0	150/	32	130/	34	110/	51	15/	3	90/	29	0/	0	656/	165
NORTH DAKOTA	15/	0	0/	0	24/	2	7/	0	2/	0	0/	0	26/	6	0/	0	74/	8
OHIO	189/	20	146/	1	126/	15	199/	59	172/	50	77/	25	258/	88	1/	0	1168/	258
OKLAHOMA	38/	0	58/	1	85/	10	52/	8	21/	10	12/	1	130/	42	1/	0	397/	72
OREGON	57/	6	12/	0	85/	20	82/	18	40/	20	18/	1	107/	23	1/	0	402/	78
PENNSYLVANIA	207/	25	192/	2	148/	45	231/	73	161/	83	67/	13	335/	128	3/	2	1344/	371
RHODE ISLAND	67/	4	22/	0	20/	5	37/	6	39/	21	0/	0	0/	0	0/	0	185/	36
SOUTH CAROLINA	24/	3	14/	0	20/	4	13/	1	21/	5	6/	0	9/	6	0/	0	107/	19
SOUTH DAKOTA	3/	0	3/	0	11/	1	12/	0	0/	0	0/	0	20/	3	0/	0	49/	4
TENNESSEE	51/	5	41/	1	73/	20	76/	11	41/	20	3/	2	99/	48	0/	0	384/	107
TEXAS	209/	22	178/	0	157/	32	168/	48	133/	51	83/	12	265/	113	1/	0	1194/	278
UTAH	40/	2	41/	0	62/	3	57/	8	26/	5	16/	2	149/	28	0/	0	391/	48
VERMONT	9/	0	2/	0	9/	4	6/	0	4/	3	0/	0	0/	0	0/	0	30/	7
VIRGINIA	62/	6	56/	0	63/	17	38/	9	43/	10	8/	0	80/	24	1/	0	353/	66
WASHINGTON	87/	8	49/	1	93/	12	96/	26	56/	18	16/	2	57/	15	1/	0	455/	82
WEST VIRGINIA	8/	0	10/	0	12/	4	20/	2	7/	1	0/	0	37/	9	0/	0	94/	16
WISCONSIN	130/	6	71/	1	142/	22	112/	32	84/	42	21/	5	128/	35	1/	0	753/	143
WYOMING	23/	2	5/	0	20/	0	9/	0	4/	0	0/	0	22/	2	0/	0	81/	4
PUERTO RICO	2/	0	0/	0	0/	0	0/	0	2/	1	0/	0	0/	0	0/	0	4/	1

1/ Refer to explanatory note on page 11.
2/ Includes mathematics.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 5
STATISTICAL PROFILE OF DOCTORATE RECIPIENTS, BY RACIAL OR ETHNIC GROUP AND U.S. CITIZENSHIP STATUS, FY 1974[1/]

	TOTAL				WHITE				BLACK				AMER. INDIAN
	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	TOTAL
TOTAL NUMBER	26827	1853	3447	33000[2/]	23442	651	1459	25593[3/]	846	42	122	1015[3/]	129
MALE VI	79.2	84.1	89.8	80.6	79.4	76.3	89.4	79.9	68.6	92.9	91.0	72.1	80.6
FEMALE VI	20.8	15.9	10.2	19.4	20.6	23.7	10.6	20.1	31.4	7.1	9.0	27.9	19.4
DOCTORAL FIELD													
PHYSICAL SCIENCES VI	13.6	20.2	22.0	14.8	13.9	13.4	19.3	14.2	5.4	7.1	9.8	6.0	11.6
ENGINEERING VI	8.1	28.4	21.3	9.5	6.7	17.7	19.0	7.5	1.9	9.5	11.5	3.3	5.4
LIFE SCIENCES VI	13.7	17.8	21.6	14.8	14.0	15.7	17.9	14.3	6.2	11.9	21.3	9.9	11.6
SOCIAL SCIENCES VI	19.5	11.9	11.8	18.7	19.9	17.5	13.7	19.8	12.6	38.1	22.1	14.9	14.7
ARTS & HUMANITIES VI	17.1	12.4	8.4	15.7	17.3	22.6	8.6	16.9	8.9	14.3	15.6	10.0	14.7
EDUCATION VI	25.4	5.7	8.9	22.0	23.7	7.4	10.2	22.5	59.2	16.7	23.9	51.9	35.7
PROFESSIONS & OTHER VI	4.4	3.6	4.0	4.5	4.4	5.8	5.3	4.5	3.8	2.4	5.7	4.0	6.2
MEDIAN AGE AT DOCTORATE	31.4	32.3	30.7	31.4	31.3	32.6	30.4	31.2	36.7	33.8	33.1	35.6	32.8
MEDIAN TIME LAPSE BA-PHD													
TOTAL TIME	8.6	8.9	7.6	8.5	8.5	8.9	7.2	8.4	12.4	7.8	6.7	10.9	8.9
REGISTERED TIME	5.9	6.1	5.3	5.9	5.9	5.9	5.1	5.9	5.7	5.5	4.4	5.7	5.7
GRADUATE SCHOOL SUPPORT													
FEDERAL FELLOW/TRAINEE VI	39.4	12.5	8.8	33.7	40.5	16.4	7.8	38.0	33.7	7.1	7.4	29.6	51.9
GI BILL VI	12.2	.2	.0	10.0	12.4	.5	.0	11.4	17.3	.0	.0	14.4	15.5
OTHER FELLOWSHIP VI	21.3	24.4	27.1	21.6	21.7	27.6	30.0	22.3	26.6	35.7	27.0	26.9	20.2
TEACHING ASSISTANTSHIP VI	47.1	54.7	41.9	45.8	49.1	54.5	45.8	49.0	28.8	54.8	37.7	30.9	49.6
RESEARCH ASSISTANTSHIP VI	29.0	55.1	48.5	31.8	30.3	41.8	45.2	31.4	15.1	28.6	28.7	17.2	22.5
EDUC./INST. FUNDS VI	11.9	10.5	14.1	11.8	12.1	11.4	14.6	12.2	14.1	7.1	16.4	14.0	10.9
OWN/SPOUSE EARNINGS VI	50.7	32.2	19.0	45.1	52.1	30.7	25.7	50.3	49.9	57.1	23.8	46.8	57.4
FAMILY CONTRIBUTIONS VI	6.8	5.6	5.4	6.5	7.2	5.7	5.4	7.1	3.3	2.4	4.1	3.3	4.7
LOANS VI	13.8	7.4	4.6	12.2	14.0	10.1	5.6	13.4	18.6	11.9	4.9	16.6	14.7
OTHER VI	3.7	4.5	15.6	4.9	3.7	8.9	20.8	4.8	4.3	.0	23.8	6.4	4.7
UNKNOWN VI	4.7	3.2	5.1	7.0	2.3	3.7	3.7	2.5	5.0	4.8	5.7	5.1	1.6
POSTDOCTORAL STUDY PLANS VI	13.2	25.6	25.8	14.9	13.7	18.7	19.1	14.1	6.4	7.1	18.9	7.9	9.3
PLANNED EMPLOYMENT AFTER DOCTORATE VI	81.8	69.5	67.5	77.6	83.7	76.7	76.7	83.0	90.0	85.7	74.6	87.9	89.9
EDUC. INSTITUTION VI	55.6	35.9	41.7	51.6	56.6	50.5	49.6	56.0	68.9	61.9	41.8	65.2	67.4
INDUSTRY/BUSINESS VI	9.2	23.9	9.1	9.8	9.7	14.3	7.7	9.7	3.8	11.9	5.7	4.3	5.4
GOVERNMENT VI	9.2	3.8	11.3	8.9	9.4	4.8	13.6	9.5	9.3	4.8	20.5	10.4	9.3
NON-PROFIT VI	3.7	1.9	1.6	3.3	3.9	2.3	2.1	3.7	2.8	.0	2.5	2.7	1.6
OTHER & UNKNOWN VI	4.2	3.9	3.8	4.0	4.2	4.1	3.7	4.1	5.1	7.1	4.1	5.2	6.2
POSTDOCT STATUS UNKNOWN VI	4.9	4.9	6.7	7.5	4.6	4.6	4.2	2.8	3.7	7.1	6.6	4.2	.8
DEFINITE POSTDOCT STUDY VI	9.9	15.1	15.0	10.5	10.3	13.1	12.5	10.5	4.6	2.4	6.6	4.7	5.4
SEEKING POSTDOCT STUDY VI	3.3	10.5	10.8	4.4	3.4	5.7	6.6	3.6	1.8	4.8	12.3	3.2	3.9
DEFINITE EMPLOYMENT VI	61.7	42.3	48.9	57.7	63.3	49.0	57.9	62.6	64.2	54.8	53.3	62.4	63.6
SEEKING EMPLOYMENT VI	20.2	27.2	18.7	19.9	20.3	27.6	18.8	20.4	25.8	31.0	21.3	25.5	26.4
EMPLOYMENT LOCATION AFTER DOCTORATE													
U.S. VI [5/]	95.7	85.1	22.4	88.8	95.8	81.5	19.8	91.5	97.1	82.6	21.5	88.8	100.0
FOREIGN VI [5/]	2.1	10.7	75.5	9.0	2.2	14.1	79.2	6.5	.0	17.4	75.4	8.4	.0
UNKNOWN VI [5/]	2.2	4.2	2.0	2.2	2.1	4.4	1.1	2.1	2.9	.0	3.1	2.8	.0

1/ See explanatory notes on page 11 re Table 5 and estimation procedures.
2/ Includes 873 individuals who did not report their citizenship at time of doctorate.
3/ Includes individuals who did not report their citizenship at time of doctorate.
4/ Includes those who provided no usable response to the item on "racial or ethnic group" and those who used the old form which did not contain this item. The comparable figure for 1973 was 8,592; 2,092 who provided no usable response plus 6,500 who used the old form.
5/ The base for this VI is the number of doctorates in the column caption group who have found definite employment.

TABLE 5. CONTINUED

CHICANO				PUERTO RICAN	ORIENTAL				OTHER			UNKNOWN		
U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S.	TOTAL	U.S.	NON-U.S.	TOTAL
195	20	76	291	60	293	858	1053	2211 [3]	16	18	34	1848	1000	3667 [3] [4]
83.1	75.0	96.1	85.5	70.0	76.5	87.9	87.8	86.4	68.8	100.0	85.3	81.1	91.7	83.5
16.9	25.0	3.9	14.1	30.0	23.5	12.1	12.2	13.6	31.3	.0	14.7	18.9	8.3	16.5
6.7	20.0	15.8	10.0	10.0	20.8	27.0	27.9	26.7	12.5	33.3	23.5	14.0	20.0	15.0
3.6	10.0	21.1	8.6	11.7	21.8	35.7	23.9	28.1	6.3	5.6	5.9	6.1	27.3	13.1
11.3	10.0	44.7	19.9	10.0	17.4	19.7	25.0	21.9	12.5	33.3	23.5	12.3	20.4	15.4
13.8	15.0	11.8	13.4	20.0	11.9	5.8	10.4	8.8	25.0	16.7	20.6	19.5	14.6	17.8
21.5	45.0	3.9	18.6	28.3	9.6	5.5	3.8	5.2	6.3	.0	2.9	18.7	5.6	14.5
40.0	.0	1.3	27.1	18.3	14.7	4.1	7.0	6.9	31.3	5.6	17.6	25.1	8.0	18.5
3.1	.0	1.3	2.4	1.7	3.8	2.2	2.0	2.4	6.3	5.6	5.9	4.4	4.1	5.7
33.6	34.5	31.4	33.1	31.5	33.7	31.8	30.4	31.4	31.8	31.3	31.5	31.6	31.5	31.6
9.4	11.3	7.2	9.0	9.4	10.4	8.8	7.9	8.5	9.5	8.8	9.0	8.8	8.6	8.7
5.9	6.3	4.5	5.5	6.9	6.6	6.1	5.4	5.8	6.5	6.0	6.3	6.1	5.8	6.0
34.4	40.0	10.5	28.5	35.0	31.1	10.0	9.7	12.6	68.8	5.6	35.3	29.5	9.7	17.7
8.5	5.0	.0	12.7	10.0	3.8	.0	.0	.5	.0	.0	.0	8.0	.0	4.1
21.1	30.0	30.3	25.4	25.0	19.1	21.2	26.9	23.8	12.5	22.2	17.6	14.6	21.8	13.4
45..	30.0	21.6	39.9	40.0	46.1	57.0	42.2	48.3	31.3	61.1	47.1	31.8	39.5	27.1
73.1	30.0	47.4	29..	28.3	44.0	68.9	58.4	60.5	25.0	55.6	41.2	18.6	45.6	22.1
12.8	15.0	15.7	13..	18.3	15.7	9.9	12.3	11.8	6.3	16.7	11.8	8.0	13.5	7.8
49.7	35.0	10.5	3..	40.0	46.8	24.7	12.0	21.5	50.0	27.8	38.2	33.4	20.1	22.5
5.6	.0	2.6	4.5	6.7	5.8	5.6	6.3	5.9	.0	11.1	5.9	4.8	5.0	3.8
16.9	.0	6.6	13.1	18.3	11.3	4.8	2.5	4.5	18.8	16.7	17.6	9.7	6.3	6.7
6.7	10.0	22.4	11.0	8.3	5.8	1.7	8.1	5.3	12.5	16.7	14.7	2.2	10.8	4.1
2.1	.0	.0	1.4	1.7	1.7	1.4	2.0	1.9	.0	5.6	2.9	36.0	41.6	43.1
12.3	15.0	18.4	14.1	10.0	20.8	32.6	36.5	32.8	25.0	38.9	32.4	9.7	24.9	11.8
87.2	80.0	77.6	84.2	85.0	75.8	64.2	59.3	63.3	68.8	61.1	64.7	54.4	60.9	44.6
64.6	50.0	55.3	61.2	68.3	37.2	23.9	35.1	30.9	43.8	22.2	32.4	37.3	34.4	28.7
4.6	15.0	2.6	4.8	5.0	20.5	32.5	12.7	21.4	6.3	5.6	5.9	5.3	12.0	5.9
9.2	5.0	13.2	10.0	8.3	9.9	3.1	7.4	6.2	.0	27.8	14.7	6.7	8.2	5.6
3.1	5.0	2.6	3.1	1.7	2.0	1.6	1.0	1.4	6.3	.0	2.9	1.7	1.5	1.3
5.6	5.0	3.9	5.2	1.7	6.1	3.0	2.9	3.4	12.5	5.6	8.8	3..	4.8	3.1
.5	5.0	3.9	1.7	5.0	3.4	3.1	4.3	3.9	6.3	.0	2.9	35.9	24.2	43.5
8.2	10.0	14.5	10.0	6.7	13.0	18.8	20.8	18.9	18.8	33.3	26.5	7.4	12.2	7.1
4.1	5.0	3.9	4.1	3.3	7.8	13.9	15.7	13.9	6.3	5.6	5.9	2.3	12.7	4.7
67.7	45.0	67.1	66.0	70.0	56.6	38.2	40.6	41.3	56.3	22.2	38.2	39.3	39.7	31.2
19.5	35.0	10.5	18.2	15.0	22.2	26.0	18.7	21.9	12.5	38.9	26.5	15.1	21.2	13.4
97.0	88.9	9.8	73.4	97.6	96.2	87.8	26.2	60.3	88.9	.0	61.5	92.7	43.3	75.3
.8	11.1	90.2	25.0	2.4	1.9	7.6	70.5	36.2	.0	100.0	30.8	3.3	53.4	21.0
2.3	.0	.0	1.6	.0	1.9	4.6	3.3	3.5	11.1	.0	7.7	4.0	3.3	3.8

SOURCE: NRC, Commission on Human Resources, Doctorate Records File

NSF Form 558 1972
OMB No. 99-R0054
Approval Expires June 30, 1974

SURVEY OF EARNED DOCTORATES

This form is to be returned to the GRADUATE DEAN, for forwarding to ..... Manpower Studies Branch, Office of Scientific Personnel, National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418

Please print or type.

A. Name in full: ..... (7-28)
(Last Name) (First Name) (Middle Name)

B. U.S. Social Security Number: (30-38) ___-___-____ OR ( ) Cross Reference: Maiden name or former name legally changed .....

C. Permanent address through which you could always be reached: (Care of, if applicable) .....
(Number) (Street) (City)
(State) (Zip Code) (Country if not U.S.)

D. Date of birth: ..... (39-43) (Month) (Day) (Year) Place of birth: ..... (44-45) (State) (Or Country if not U.S.)

E. Sex: 1 ☐ Male 2 ☐ Female (46)

F. Marital status: 1 ☐ Married 2 ☐ Not married (including widowed, divorced) (47)

G. Citizenship: 0 ☐ U.S. native 2 ☐ Non-U.S., Immigrant (Permanent Resident)
1 ☐ U.S. naturalized 3 ☐ Non-U.S., Non-Immigrant (Temporary Resident) (48)
If Non-U.S., indicate country of present citizenship ..... (49-50)

H. Racial or ethnic group: (Check all that apply.) 0 ☐ White/Caucasian 1 ☐ Black/Negro/Afro-American
2 ☐ American Indian 3 ☐ Spanish-American/Mexican-American/Chicano
4 ☐ Puerto Rican-American 5 ☐ Oriental 6 ☐ Other, specify ..... (51-53)

I. High school last attended: .....
(School Name) (City) (State) (54-55)
Year of graduation from high school: ..... (56-57)

J. List in the table below all collegiate and graduate institutions you have attended including 2-year colleges. List chronologically, and include your doctoral institution as the last entry.

Institution Name	Location	Years Attended From	Years Attended To	Major Field Use Specialties List Name	Major Field Use Specialties List Number	Minor Field Number	Degree (if any) Title of Degree	Degree (if any) Granted Mo.	Degree (if any) Granted Yr.

K. Enter below the title of your doctoral dissertation and the most appropriate classification number and field. If a project report or a musical or literary composition (not a dissertation) is a degree requirement, please check box. ☐ 48

Title ..... Classify using Specialties List:
Number Name of field
..... (62-64)

L. Name the department (or interdisciplinary committee, center, institute, etc.) and school or college of the university which supervised your doctoral program: .....
(Department) (School) (65-80)

M. Name of your dissertation adviser: (please print) ..... (8-20)
(Last Name) (First Name) (Middle Initial)

continued on next page

Please Do Not Write in This Space

1 6
7-28 NA 30-38 SS d( ) 29
39 40 41 42 43
44 45
46 47
48 49 50
51 52 53
HS 54 55 56 57
UG 58 59 60
61 62
B 63 64 65 66 67 68
69 70 71
72 73 74
75 76 77 n( ) 77
2 6 GR
7 8 9 10 11 12
13 14
M 15 16 17 18 19 20
21 22 23
24 25 26
27 28 29
30 31 32
D 33 34 35 36 37 38
39 40 41
42 43 44
45 46 47 48 49
TO 50 51 CE-BA
52 53 BA-GE
54 55 GE-MA
56 57 MA-PHD
58 59 GE-PHD
60 61 TI
DI 62 63 64
65-80 TA
3 6 – 7
8-20 TA

SURVEY OF EARNED DOCTORATES, Cont.

N. In the space in front of each source of support, indicate the approximate number of semesters you were supported by each of the listed sources during graduate school.

21 ___ NSF Fellowship
22 ___ NSF Traineeship
23 ___ NIH Fellowship
24 ___ NIH Traineeship
25 ___ NDEA Fellowship
26 ___ Other HEW
27 ___ AEC Fellowship
28 ___ NASA Traineeship
29 ___ GI Bill
30 ___ Other Federal support (specify) .....
31 ___ Woodrow Wilson Fellowship
32 ___ Other U.S. national fellowship (specify) .....
33 ___ University fellowship
34 ___ Teaching Assistantship
35 ___ Research Assistantship
36 ___ Educational fund of industrial or business firm
37 ___ Other institutional funds (specify) .....
38 ___ Own earnings
39 ___ Spouse's earnings
40 ___ Family contributions
41 ___ Loans
42 ___ Other (specify) .....

O. Please check the space which most fully describes your status during the year immediately preceding the doctorate.

0 ☐ Held fellowship
1 ☐ Held assistantship
2 ☐ Held own research grant
3 ☐ Not employed
4 ☐ Part-time employed

Full-time Employed in: (Other than 0, 1, 2)

5 ☐ College or university, teaching
6 ☐ College or university, non-teaching
7 ☐ Elem. or sec. school, teaching
8 ☐ Elem. or sec. school, non-teaching
9 ☐ Industry or business
(11) ☐ Other (specify) .....
(12) ☐ Any other (specify) ..... (43)

P. How many years (full-time equivalent basis) of professional work experience did you have prior to the doctorate?
(include assistantships as professional experience) ..... (44-45)

Q. U.S. veteran status:
0 ☐ Veteran, or in service; dates of active duty from ..... (year) to ..... (year)
1 ☐ Non-veteran
2 ☐ Not applicable (46-50)

POSTGRADUATION PLANS

R. How well defined are your postgraduation plans?
0 ☐ Have signed contract or made definite commitment
1 ☐ Am negotiating with a specific organization, or more than one
2 ☐ Am seeking appointment but have no specific prospects
3 ☐ Other (specify) ..... (51)

S. What are your immediate postgraduation plans?
0 ☐ Postdoctoral fellowship?
1 ☐ Postdoctoral research associateship?
2 ☐ Traineeship?
3 ☐ Other study (specify) .....
If you check 0, 1, 2, or 3, please answer "T" and omit "U"
4 ☐ Employment? (other than 0, 1, 2, 3)
5 ☐ Military service?
6 ☐ Other (specify) ..... (52)
If you checked 4, 5, or 6, please answer "U" and omit "T"

T. If you plan to be on a postdoctoral fellowship, associateship, or traineeship —

What is the purpose?
0 ☐ To add experience in your present field
1 ☐ To change to a field different from that of the doctorate (Please enter number of new field from Specialties List .....) (54-56)

What is the primary source of support?
0 ☐ U.S. Government
1 ☐ College or university
2 ☐ Private foundation
3 ☐ Nonprofit, other than private foundation
4 ☐ Other (specify) ..... (57)

U. If you plan to be employed, enter military service, or other —

What will be the type of employer?
0 ☐ 4-year college or university
1 ☐ Jr. or community college
2 ☐ Elem. or sec. school
3 ☐ Foreign government
4 ☐ U.S. Government
5 ☐ State or local government
6 ☐ Nonprofit organization
7 ☐ Industry or business
8 ☐ Self-employed
9 ☐ Other (specify) ..... (50)

Indicate primary work activity with "1" in appropriate box; secondary work activity (if any) with "2" in appropriate box.
0 ☐ Research and development
1 ☐ Teaching
2 ☐ Administration
3 ☐ Professional services to individuals
5 ☐ Other (specify) ..... (59-60)

In what field will you be working?
Please enter number from Specialties List ..... (61-63)

V. What is the name and address of the organization with which you will be associated?

(Name of Organization) .....
(Street) ..... (City, State) ..... (Or Country if not U.S.) (64-69)

BACKGROUND INFORMATION

W. Please indicate, by circling the highest grade attained, the education of

your father:	none	1 2 3 4 5 6 7 8 Elementary school	9 10 11 12 High school	1 2 3 4 College	MA, MD PhD Graduate	Postdoctoral (70)
your mother	none	1 2 3 4 5 6 7 8 Elementary school	9 10 11 12 High school	1 2 3 4 College	MA, MD PhD Graduate	Postdoctoral (71)
	0	1 2 3	4 5	6 7	8 9	(11)

Signature ..... Date completed ..... (72-73)

MATHEMATICS

000 — Algebra
010 — Analysis & Functional Analysis
020 — Geometry
030 — Logic
040 — Number Theory
050 — Probability, Math. Statistics (see also 544, 670, 725, 727, 920)
060 — Topology
080 — Computing Theory & Practice
082 — Operations Research (see also 478)
085 — Applied Mathematics
098 — Mathematics, General
099 — Mathematics, Other*

ASTRONOMY

101 — Astronomy
102 — Astrophysics

PHYSICS

110 — Atomic & Molecular Physics
120 — Electromagnetism
130 — Mechanics
132 — Acoustics
134 — Fluids
135 — Plasma Physics
136 — Optics
138 — Thermal Physics
140 — Elementary Particles
150 — Nuclear Structure
160 — Solid State
198 — Physics, General
199 — Physics, Other*

CHEMISTRY

200 — Analytical
210 — Inorganic
220 — Organic
230 — Nuclear
240 — Physical
250 — Theoretical
260 — Agricultural & Food
270 — Pharmaceutical
275 — Polymer Chemistry
298 — Chemistry, General
299 — Chemistry, Other*

EARTH SCIENCES

301 — Mineralogy, Petrology
305 — Geochemistry
310 — Stratigraphy, Sedimentation
320 — Paleontology
330 — Structural Geology
340 — Geophysics (Solid Earth & Atmospheric)
350 — Geomorph., Glacial Geology
360 — Hydrology
370 — Oceanography
380 — Meteorology
391 — Applied Geol., Geol. Engr., Econ. Geol.
395 — Fuel Tech., Petrol. Engr. (see also 479)
398 — Earth Sciences, General
399 — Earth Sciences, Other*

ENGINEERING

400 — Aeronautical & Astronautical
410 — Agricultural
415 — Biomedical Engineering
420 — Civil
430 — Chemical
435 — Ceramic
440 — Electrical
445 — Electronics
450 — Industrial
455 — Nuclear Engineering
460 — Engineering Mechanics
465 — Engineering Physics
470 — Mechanical
475 — Metallurgy & Phys. Met. Engr.
478 — Operations Research (see also 082)
479 — Fuel Tech., Petrol. Engr. (see also 395)
480 — Sanitary
486 — Mining
497 — Materials Science Engr.
498 — Engineering, General
499 — Engineering, Other*

ENVIRONMENTAL SCIENCES

589 — Environmental Sciences*

AGRICULTURAL SCIENCES

500 — Agronomy
501 — Agricultural Economics
502 — Animal Husbandry
503 — Food Science & Technology
504 — Fish & Wildlife
505 — Forestry
506 — Horticulture
507 — Soils & Soil Science
510 — Animal Sciences
511 — Phytopathology
518 — Agriculture, General
519 — Agriculture, Other*

MEDICAL SCIENCES

520 — Medicine & Surgery
522 — Public Health
523 — Veterinary Medicine
524 — Hospital Administration
527 — Parasitology
534 — Pathology
536 — Pharmacology
537 — Pharmacy
538 — Medical Sciences, General
539 — Medical Sciences, Other*

BIOLOGICAL SCIENCES

540 — Biochemistry
542 — Biophysics
544 — Biometrics, Biostatistics (see also 050, 670, 725, 727, 920)
545 — Anatomy
546 — Cytology
547 — Embryology
548 — Immunology
550 — Botany
560 — Ecology
562 — Hydrobiology
564 — Microbiology & Bacteriology
566 — Physiology, Animal
567 — Physiology, Plant
569 — Zoology
570 — Genetics
571 — Entomology
572 — Molecular Biology
578 — Biological Sciences, General
579 — Biological Sciences, Other*

PSYCHOLOGY

600 — Clinical
610 — Counseling & Guidance
620 — Developmental & Gerontological
630 — Educational
635 — School Psychology
641 — Experimental
642 — Comparative
643 — Physiological
650 — Industrial & Personnel
660 — Personality
670 — Psychometrics (see also 050, 544, 725, 727, 920)
680 — Social
698 — Psychology, General
699 — Psychology, Other*

SOCIAL SCIENCES

700 — Anthropology
708 — Communications*
710 — Sociology
720 — Economics (see also 501)
725 — Econometrics (see also 050, 544, 670, 727, 920)
727 — Statistics (see also 050, 544, 670, 725, 920)
740 — Geography
745 — Area Studies*
750 — Political Science, Public Admin.
755 — International Relations
770 — Urban & Reg. Planning
798 — Social Sciences, General
799 — Social Sciences, Other*

ARTS & HUMANITIES

801 — Art, Applied
802 — Art, History & Criticism
804 — History, American
805 — History, European
806 — History, Other*
807 — History & Philosophy of Science
830 — Music
831 — Speech as a Dramatic Art (see also 885)
832 — Archeology
833 — Religion (see also 881)
834 — Philosophy
835 — Linguistics
878 — Arts & Humanities, General
879 — Arts & Humanities, Other*

LANGUAGES & LITERATURE

811 — American
812 — English
821 — German
822 — Russian
823 — French
824 — Spanish & Portuguese
826 — Italian
827 — Classical*
829 — Other Languages*

EDUCATION

900 — Foundations: Social, Philosoph.
910 — Educational Psychology
908 — Elementary Educ., General
909 — Secondary Educ., General
918 — Higher Education
919 — Adult Educ. & Extension Educ.
920 — Educ. Meas. & Stat.
929 — Curriculum & Instruction
930 — Educ. Admin. & Superv.
940 — Guid., Couns., & Student Pers.
950 — Special Education (Speech, Gifted, Handicapped, etc.)
960 — Audio-Visual Media

TEACHING FIELDS

970 — Agriculture
972 — Art
974 — Business
976 — English
978 — Foreign Languages
980 — Home Economics
982 — Industrial Arts
984 — Mathematics
986 — Music
988 — Phys. Ed., Health, & Recreation
990 — Science Educ.
992 — Social Science Educ.
994 — Vocational Educ.
996 — Other Teaching Fields*

998 — Education, General
999 — Education, Other*

OTHER PROFESSIONAL FIELDS

881 — Theology (see also 833)
882 — Business Administration
883 — Home Economics
884 — Journalism
885 — Speech & Hearing Sciences
886 — Law, Jurisprudence
887 — Social Work
891 — Library & Archival Sciences
897 — Professional Field, Other*

899 — OTHER FIELDS*

* Identify the specific field in the space provided on the questionnaire.

CODE NUMBERS FOR FIELDS DISPLAYED IN TABLE 2

TOTAL ALL FIELDS

Physics & Astronomy (101-199)
Chemistry (200-299)
Earth Sciences (301-399)

Physical Sciences Subtotal (101-399)
Mathematics (000-099)
Engineering (400-499)

EMP Total (000-499)

Basic Medical Sciences (540-542, 545-548, 564-566, 572)
Other Biosciences (544 550-562, 567-571, 578-579)

Biosciences Subtotal (540-579)
Medical Sciences (520-539)
Agricultural Sciences (500-519)
Environmental Sciences (589)

Life Sciences (500-589)

Psychology (600-699)
Economics and Econometrics (720, 725)
Anthropology & Sociology (700, 710)
Political Science, Public Administration, International Relations (750, 755)
Other Social Sciences (708, 725-745, 770-799)

Social Sciences Total (600-799)

Total Sciences (000-799)

History (804-807)
English & American Language & Literature (811, 812)
Foreign Languages & Literature (821-829)
Other Arts & Humanities (801-802, 830-879)

Arts & Humanities Total (801-879)

Professional Fields (881-897)

Education (900-999)

Other or unspecified (899)

Total Non-Sciences (801-999)